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BOOMTEELT PRAKTIJKONDERZOEK

APPLIED RESEARCH FOR NURSERY STOCK

PROJECT
Biological and chemical control of the black vine weevil (*Otiorhynchus sulcatus*)
(4102)

ECOGEN REPORT

EXPERIMENTS
Control of the larvae of the black vine weevil in pots and in the field - 1994/95
Boskoop 1995 (4102-32, 4102-33)

Author
ir. R.W.H.M. van Tol

Research Station for Nursery Stock - Boskoop
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SUMMARY

Control of the larvae of the black vine weevil in pots and in the field 1994/1995.
Boskoop 1995
Ecogen report experiment(s) 4102-32 and 4102-33
Author
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The standard chemical treatment in pots with carbofuran (Curater Iq.) is only moderate effective (~50%) against the larvae of the black vine weevil. The new standard chloorpyrifos (Suscon10) is however very successful (100% control). In the field carbofuran is giving low reductions (~40%) which is a consistent result for the last years.

Code2* is giving variable results over the last years and is therefore considered to be not effective as a treatment against the larvae of the black vine weevil.

Code1* is an effective chemical. In pots the results are constant high during the last years. A concentration of 12.5 to 25 g/ha (80% a.i.) is giving maximum control. In the field the results with the 20% a.i. formulation were good during the last years. With the new formulation (80% a.i.) and a lower dose of the product formulation the results were only moderate this year. Next year the dose should therefore be raised to 100 g/ha (80% a.i.).

Of the tested nematode strains *Heterorhabditis* sp.(NWE)(NI-H-F85) was the most effective one in the pot trial and in the field. Although there are indications for a dose-mortality effect it was not found after statistical analysis.

The UK-strain (Nemasys H) is giving only moderate results. There is reason to believe that a reduced quality of the product is causing this effect. Comparison of the former gel-formulation with the today's clay-formulation in a field trial is advisable.

Steinernema feltiae (NZ-S-CA) is giving good control results in pots. The result is comparable with the results of 1993. Lowering the dose is giving a strong reduction in efficacy. In the field the results are reasonable but application with a good batch of nematodes at 1.0x10E6/m^2 is needed before this strain can be evaluated for its efficacy.

The results with *Heterorhabditis bacteriophora* (ECX9413) are variable. There is no clear difference between the two different formulations. The results in the pots are variable if we look at the total reduction and in general lower than with HF85. The differences between the several strains tested are much less if we look at the control of the older larvae (L4). In the field test HF85 is the better strain looking at the total reduction but also looking at the control of the older larvae (L5). The variation in results between the different doses and formulations with ECX9413 is big and discussion about how to continue this research is needed.

The with * coded means or treatments are not registered in nursery stock for the purpose used in this research.

TRIAL 4102-32: CONTROL OF THE LARVAE OF THE BLACK VINE WEEVIL IN POTS.

MATERIAL AND METHODS

There are 18 treatments in 4 blocks with 8 plants per block. The plants were inoculated twice with respectively 20 and 15 eggs per plant. The plants were inoculated on 18 july and 15 august 1995. As a test plant we used *Waldsteinia ternata.* The plants were potted in spring in one litre pots and placed in open boxes on the container field. The treatments were separated by non-treated plants. The border plants of the experiment were surrounded by non-treated plants to exclude the influence of heating the pot soil by direct sunlight on the side of the pots. The substrate used in the pots consisted of 55% pellets, 40% sphagnum-moss peat and 5% aeolian sand. The temperature of the soil in the pots was measured every 60 minutes with a Rologg NT1 temperature datalogger (appendix 1: data and graphics).

Treatment 3 was performed during potting of the plants in spring 1994. The treatments 2, 4, 5 and 6 were performed on 4 july 1994 for the first time and on 23 august 1994 for the second time.

The treatments with nematodes (7 up to 18) were performed on 19 september 1994 between 16.00 and 17.00 hour (weather: rain, cloudy, ~12°C). The nematodes as well as the chemical treatments 2, 4, 5 and 6 were applied in 25ml. water per pot.

Table 1 - Treatments pot experiment.

active ingredient	commercial	dose	%ai#	number@
1. control	-	-	-	-
2. carbofuran	Curater vlb.	37.5 l/ha	20	2x(27,34)
3. chloorpyrifos	Suscon10	375 kg/ha	10	1x(16)
4. code1*	EXP60720A	12.5 g/ha	80	2x(27,34)
5. code1*	EXP60720A	25 g/ha	80	2x(27,34)
6. code2*	code2*	25 kg/ha	20	2x(27,34)
7. *S.feltiae* (NZ-S-CA)	Westerman	0.5 $10^6/m^2$	-	1x(38)
8. *S.feltiae* (NZ-S-CA)	Westerman	0.25 $10^6/m^2$	-	1x(38)
9. *H.* sp. (NWE)(UK-H-211)	Nemasys H	125,000/m^2	-	1x(38)
10. *H.* sp.(NWE)(UK-H-211)	Nemasys H	0.25 $10^6/m^2$	-	1x(38)
11. *H.* sp.(NWE)(UK-H-211)	Nemasys H	0.5 $10^6/m^2$	-	1x(38)
12. *H.* sp.(NWE)(NI-H-F85)	Larvanem	125,000/m^2	-	1x(38)
13. *H.* sp.(NWE)(NI-H-F85)	Larvanem	0.25 $10^6/m^2$	-	1x(38)
14. *H.* sp.(NWE)(NI-H-F85)	Larvanem	0.5 $10^6/m^2$	-	1x(38)
15. *H.bacteriophora*	ECX9413-1	0.25 $10^6/m^2$	-	1x(38)
16. *H.bacteriophora*	EXC9413-1	0.5 $10^6/m^2$	-	1x(38)
17. *H.bacteriophora*	ECX9413-2	0.25 $10^6/m^2$	-	1x(38)
18. *H.bacteriophora*	ECX9413-2	0.5 $10^6/m^2$	-	1x(38)

%ai = percentage active ingredient

@ number = number of sprayings. Between parentheses the week number of treatment

The experiment ended in week 48 (november). The soil in each pot was searched for the presence of larvae. Of each larva the size was noted (five instars (L1 to L5) of the larvae and one pupal stage). The larvae were washed and put into a petri dish for a few days to see if any of the living larvae were infected.

The total number of larvae found and the number of L2, L3 and L4 are noted in the database (appendix 2) and used for statistic analysing. There were no L1, L5 or pupae found. The data are analysed with ANOVA. The values are transformed to square root numbers before analysing.

RESULTS

The results are summarized in table 2. The number of larvae are an average of the 4 blocks and are shown in the table as number of larvae per plant. The results are statistically analysed with ANOVA. The results of this analysis are shown in the table.

Table 2 - Mean number of larvae per plant (n) and percentage reduction compared to control in the pot experiment (4102-32).

behandeling	n	total%#	L2%#	L3%#	L4%#
1. control	3.3	0 a	0 bc	0 a	0 a
2. carbofuran	1.6	51 bcd	21 bc	51 bcd	84 de
3. chloorpyrifos	0.0	100 g	100 g	100 g	100 e
4. code1*	0.1	98 g	94 g	100 g	100 e
5. code1*	0.0	99 g	97 g	100 g	100 e
6. code2*	4.2	0 a	0 a	5 ab	0 a
7. *S.feltiae* (NZ-S-CA)	0.5	86 ef	91 fg	85 efg	81 cde
8. *S.feltiae* (NZ-S-CA)	2.3	33 bc	24 bc	27 abc	50 bc
9. *H.* sp.(NWE)(UK-H-211)	1.3	63 de	68 defg	49 cde	75 cde
10. *H.* sp.(NWE)(UK-H-211)	2.0	40 bc	0 b	29 abc	97 e
11. *H.* sp.(NWE)(UK-H-211)	1.2	63 cd	73 efg	58 cde	60 bcd
12. *H.* sp.(NWE)(NI-H-F85)	0.9	73 def	76 efg	73 defg	72 cde
13. *H.* sp.(NWE)(NI-H-F85)	1.2	65 de	35 bcde	68 def	91 e
14. *H.* sp.(NWE)(NI-H-F85)	0.4	88 fg	71 efg	95 fg	97 e
15. *H.bacteriophora*	1.4	57 bcd	71 efg	68 def	28 ab
16. *H.bacteriophora*	2.2	36 b	0 b	35 abc	81 cde
17. *H.bacteriophora*	1.6	52 bcd	53 cdef	24 abc	88 e
18. *H.bacteriophora*	1.3	61 bcd	32 bcd	71 def	78 e

\# percentage reduction based on number of larvae. Statistical results (letters behind figures) are based on square root transformation of number of larvae.
Numbers higher than n in the control (3.3) are set to 0% reduction.
The population in the control consisted for 32% of L2-larvae, 38% of L3-larvae and 30% of L4-larvae.

Figures in the same column followed by the same letter are not statistically significantly different, with a 95% confidence limit.

As the data and graphs in appendix 1 show the temperature in the soil is average above 12°C until 3 october and drops than to general lower temperatures with only short peaks above this temperature late october and in november.

The standard chemical treatment in pots with carbofuran (Curater Iq.) is only moderate effective (~50%). The new standard chloorpyrifos (Suscon10) is however very successful (100% control).

Code2* was not effective. Code1* (80% a.i.) was effective in the pot trial at both concentrations.

With the normal application of 0.5x10E6 nematodes/m^2 the tested strain *Heterorhabditis* sp.(NWE)(NI-H-F85) approved to be most effective (88% control) together with *Steinernema feltiae* (NZ-S-CA) (86% control) and followed by the other strains that give a general 60% control. There seems to be no dose-mortality effect although the results do suggest an effect of increasing efficacy at the highest doses.

The UK-strain of Nemasys H is giving only very moderate results. Since the change of formulation from gel to clay the results with Nemasys H are more variable and generally lower. It is important to check if this could be the cause for the moderate/variable results of the last two years.

The results with *Steinernema feltiae* (NZ-S-CA) are promising like in 1993. The results are only good at the high dose of 0.5x10E6/m^2.

With *Heterorhabditis bacteriophora* (ECX9413) the results are variable and lower than with the best strains HF85 and SCA. In pots we reached a control of 36 to 61% with the low and high doses for both formulations (ECX9413-1 = Australia bottle; ECX94-13-2 = Germany sponge). Looking at the results with the older larvae (L3 and L4) the control with the different strains are statistically comparable although HF85 is still giving the highest reductions with more than 95%.

TRIAL 4102-33: CONTROL OF THE LARVAE OF THE BLACK VINE WEEVIL IN THE FIELD

MATERIAL AND METHODS

There are 18 treatments in 3 blocks with 5 plants per block surrounded by 12 border plants. The plants were inoculated twice with respectively 40 and 17 eggs per plant. The plants were inoculated on 11 july and 10 august 1995. As a test plant we used *Taxus baccata.* The plants were planted in spring. The temperature of the soil was measured every 60 minutes with a Rologg NT1 temperature datalogger (appendix 1: data and graphics).

The treatments 2, 13, 14 and 15 were performed on 4 july 1994 for the first time and on 18 august 1994 for the second time.

The treatments with nematodes (except treatment 17) were performed on 19 september 1994 between 16.00 and 17.00 hour (weather: rain, cloudy, ~12°C). The nematodes as well as the chemical treatments were applied in 3 litre water per m^2.
Treatment 17 was performed on 23 september 1994 because there were not enough nematodes available in this batch. The quality of the batch we applied on 23/9 was very poor.

Table 3 - Treatments field experiment.

active ingredient	commercial	dose	%ai#	number@
1. control	-	-	-	-
2. carbofuran	Curater vlb.	37,5 l/ha	20	2x(27,33)
3. *H.* sp.(NWE)(UK-H-211)	Nemasys H	250,000/m^2	-	1x(38)
4. *H.* sp.(NWE)(UK-H-211)	Nemasys H	500,000/m^2	-	1x(38)
5. *H.* sp.(NWE)(UK-H-211)	Nemasys H	10E6/m^2	-	1x(38)
6. *H.* sp.(NWE)(NI-H-F85)	Larvanem	250,000/m^2	-	1x(38)
7. *H.* sp.(NWE)(NI-H-F85)	Larvanem	500,000/m^2	-	1x(38)
8. *H.* sp.(NWE)(NI-H-F85)	Larvanem	10E6/m^2	-	1x(38)
9. *H.bacteriophora*	ECX9413-1	250,000/m^2	-	1x(38)
10. *H.bacteriophora*	ECX9413-1	500,000/m^2	-	1x(38)
11. *H.bacteriophora*	ECX9413-2	250,000/m^2	-	1x(38)
12. *H.bacteriophora*	ECX9413-2	500,000/m^2	-	1x(38)
13. code1*	EXP60720 A	25 g/ha	80	2x(27,33)
14. code1*	EXP60720 A	50 g/ha	80	2x(27,33)
15. code2*	code2*	100 kg/ha	20	2x(27,33)
16. *S.feltiae* (NZ-S-CA)	Westerman	500,000/m^2	-	1x(38)
17. *S.feltiae* (NZ-S-CA)	Westerman	10E6/m^2	-	1x(38)
18. *H.bacteriophora*	ECX9413-1	10E6/m^2	-	1x(38)

%ai = percentage active ingredient
@ number = number of sprayings. Between parentheses the week number of treatment

The experiment ended in week 7 (february 1995). The rootball of each plant was searched for the presence of larvae. Of each larva the size was noted (five instars (L1 to L5) of the larvae and one pupal stage). The larvae were washed and put into a petri dish for a few days to see if any of the living larvae were infected.

The total number of larvae found and the number of L2, L3, L4 and L5 are noted in the database (appendix 2) and used for statistic analysing. There were no L1 or pupae found. The data are analysed with ANOVA. The values are transformed to square root numbers before analysing.

Tabel 4 - Mean number of larvae per plant (n) and percentage reduction compared to control in the field experiment (4102-33).

behandeling	n	total %#	L2%#	L3%#	L4%#	L5%#
1. control	7,6	0 ab	0 bcd	0 bcd	0 ab	0 a
2. carbofuran	4,7	39 d	0 abc	0 abcd	43 cdef	85 fgh
3. *H.*sp.(NWE)(UK211)	7,1	7 abc	0 ab	0 ab	0 ab	48 abc
4. *H.*sp.(NWE)(UK211)	4,2	45 d	0 abc	0 bcde	24 abcd	70 defg
5. *H.*sp.(NWE)(UK211)	4,6	40 cd	0 bcd	21 bcdef	0 abc	74 efgh
6. *H.*sp.(NWE)(NIF85)	1,2	84 fg	63 cd	68 fg	95 g	88 ghj
7. *H.*sp.(NWE)(NIF85)	1,7	77 fg	0 abcd	68 fg	67 efg	94 hj
8. *H.*sp.(NWE)(NIF85)	0,5	94 g	50 cd	100 e	86 fg	100 j
9. *H.bacteriophora*	3,1	60 de	12 bcd	16 bcdef	57 cdef	79 efgh
10. *H.bacteriophora*	3,6	53 de	50 cd	74 efg	43 cdef	50 bcde
11. *H.bacteriophora*	1,8	76 ef	87 d	95 g	67 efg	73 defg
12. *H.bacteriophora*	7,5	2 a	0 bcd	0 ab	0 a	29 ab
13. code1*	3,1	59 de	12 abcd	58 defg	52 defg	67 cdef
14. code1*	4,7	39 d	63 cd	53 defg	33 bcde	33 abc
15. code2*	8,3	0 a	0 ab	32 abcd	0 abcd	11 a
16. *S.feltiae* (NZCA)	3,3	56 de	63 cd	21 bcdef	48 bcdef	68 defg
17. *S.feltiae* (NZCA)	6,3	17 abc	0 a	0 a	0 abc	73 efg
18. *H.bacteriophora*	4,9	36 bcd	87 d	37 cdef	0 abc	41 bcde

\# percentage reduction based on number of larvae. Statistical results (letters behind figures) are based on square root transformation of number of larvae. Numbers higher than n in the control (7.6) are set to 0% reduction.
The population in the control consisted for 7% of L2-larvae, 17% of L3-larvae 18% of L4-larvae and 58% of L5-larvae.

Figures in the same column followed by the same letter are not statistically significantly different, with a 95% confidence limit.

As the data and graphs in appendix 1 show the temperature in the soil is average above 12°C until 3 october and drops than to general lower temperatures with only short peaks above this temperature late october and in november.

The standard chemical treatment carbofuran is giving low reduction (~40%) which is a consistent result for the last years.

Code2* was not effective. Code1* (80% a.i.) was not as effective as last year (70 to 80% control). Although we applied 50% more a.i. per m^2 we only reached 40 to 60% control. The reason for this result is not clear. The new formulation and/or the mobility of the formulation in soil could be the reason for this result. In 1995 we will use 100 g/ha (80% a.i.) in the field trial.

With the normal application of 1.0x10E6 nematodes/m^2 the tested strain *Heterorhabditis* sp.(NWE)(NI-H-F85) approved to be most effective (94% control) followed by the UK-strain and ECX9413 with 40% control. Treatment with *Steinernema feltiae* (NZ-S-CA) 1.0x10E6/m^2 (17) has failed because of the bad quality of the nematodes and cannot be compared with the other treatments. Comparing the results of the 0.5x10E6 nematodes/m^2 is showing the same rank order as with the higher application rates. *Steinernema feltiae* (NZ-S-CA) is as good as the UK-strain and ECX9413 with approximately 50% control. Treatment 12 (ECX9413-2) failed for unknown reason. There is no clear dose-mortality effect found.

The UK-strain of Nemasys H is giving only very moderate results in the field. The results in the field show that the UK-strain is effective against the older larvae and not against the younger ones. This suggests that the nematodes were effective at application time for a very short period. The quality of the nematodes must have been moderate therefore. Since the change of formulation from gel to clay the results with Nemasys H are more variable and generally lower. It is important to check if this could be the cause for the moderate/variable results of the last two years.

The results with *Steinernema feltiae* (NZ-S-CA) are promising like in 1993. In the field trial the treatment with 1.0x10E6/m^2 (17) has failed because of the bad quality of the nematodes. The treatment with 0.5x10E6/m^2 (applied 4 days earlier with the same batch as used in the pot trial) in the field is with 56% control reasonable.

With *Heterorhabditis bacteriophora* (ECX9413) the results are variable and lower than with the best strain HF85. In the field we reached a control of 50 to 60% with the low and high doses of formulation 1 (ECX9413-1 = Australia bottle; ECX9413-2 = Germany sponge) and with formulation 2 the result seems a little bit better although this is not significant. Because treatment 12 failed it is not possible to say much about the differences between the two formulations. Because the other treatments gave no problems it is probable that something went wrong during preparation of treatment 12. Looking at the results with the older larvae (L5 = 58% of population) the rank order is HF85 (95-100% control) followed by UK211 (~70% control), *S.feltiae* (~70% control) and ECX9413 (50-80% control). Only HF85 is significant different from the other nematode treatments.

CONCLUSIONS

Code2* is giving variable results over the last few years and is therefore considered to be not effective as a treatment against the larvae of the black vine weevil.

Code1* is an effective chemical. In pots the results are constant high during the last few years. A concentration of 12.5 or 25 g/ha (80% a.i.) is giving maximum control. In the field the results with the 20% a.i. formulation were good during the last few years. With the new formulation (80% a.i.) and a lower dose of the product formulation the results were only moderate this year. Next year the dose should therefore be raised to 100 g/ha (80% a.i.).

Of the tested nematode strains *Heterorhabditis* sp.(NWE)(NI-H-F85) was the most effective one in the pot trial and in the field.

The UK-strain (Nemasys H) is giving only moderate results. There is reason to believe that a reduced quality of the product is causing this effect. Comparing of the former gel-formulation with the today's clay-formulation in a field trial is advisable.

Steinernema feltiae (NZ-S-CA) is giving good control results in pots. The result is comparable with the results of 1993. Lowering the dose is giving a strong reduction in efficacy. In the field the results are reasonable but application with a good batch of nematodes at 1.0x10E6/m^2 is needed before this strain can be evaluated for its efficacy.

The results with *Heterorhabditis bacteriophora* (ECX9413) are variable. There is no clear difference between the two different formulations. The results in the pots are variable if we look at the total reduction and in general lower than with HF85. The differences between the several strains tested are much less if we look at the control of the older larvae (L4). In the field test HF85 is the better strain looking at the total reduction but also looking at the control of the older larvae (L5). The variation in results between the different doses and formulations with ECX9413 is big and discussion about how to continue this research is needed.

APPENDIX 1
Data and graphics of the soil temperature in resp. pots and field

APPENDIX 2
Database with total number of larvae found in the pot and field experiment

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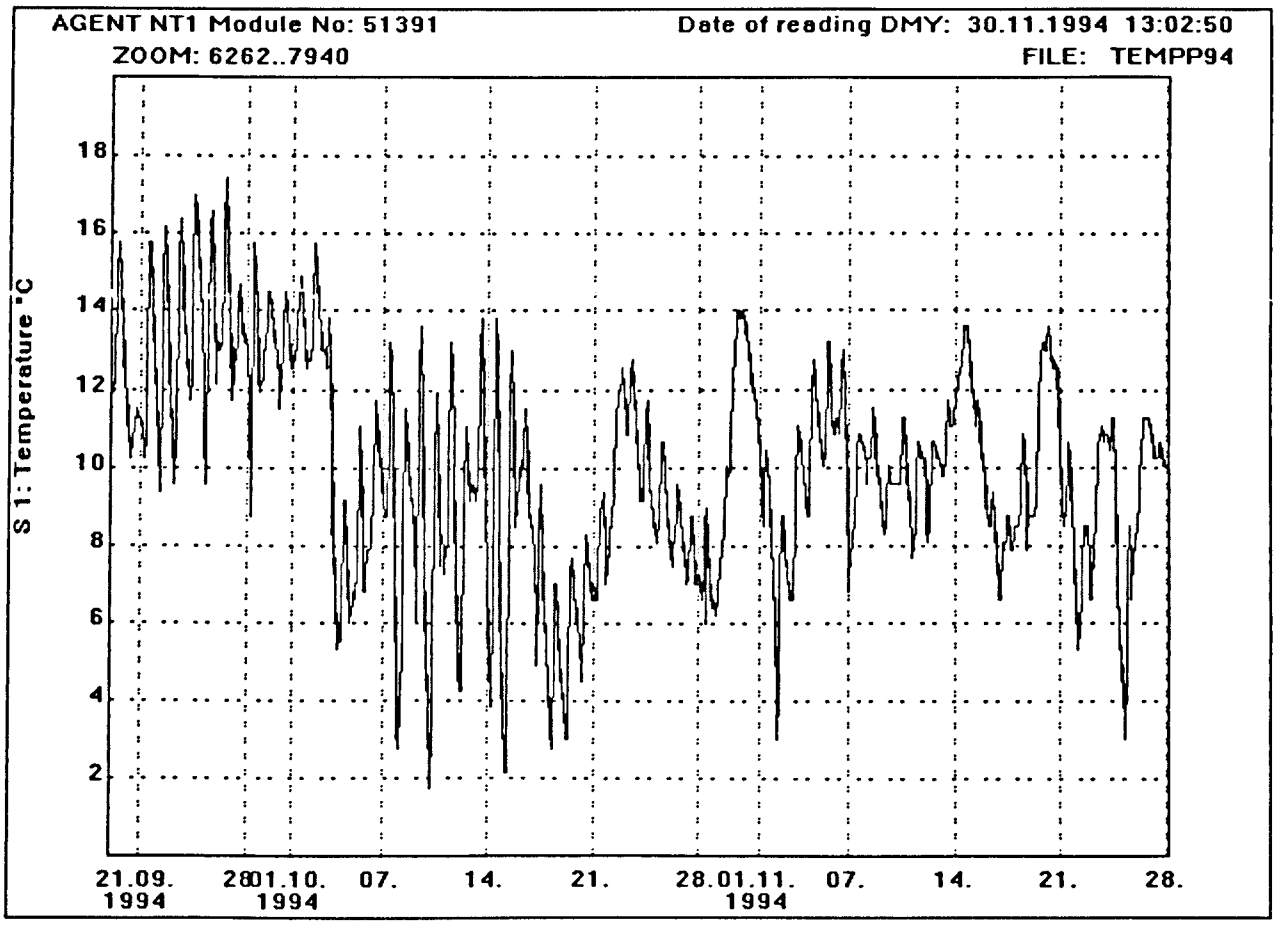
soil temperature in pots 1994



AGENT NT1: Module No: 51391
Programming info: 4102
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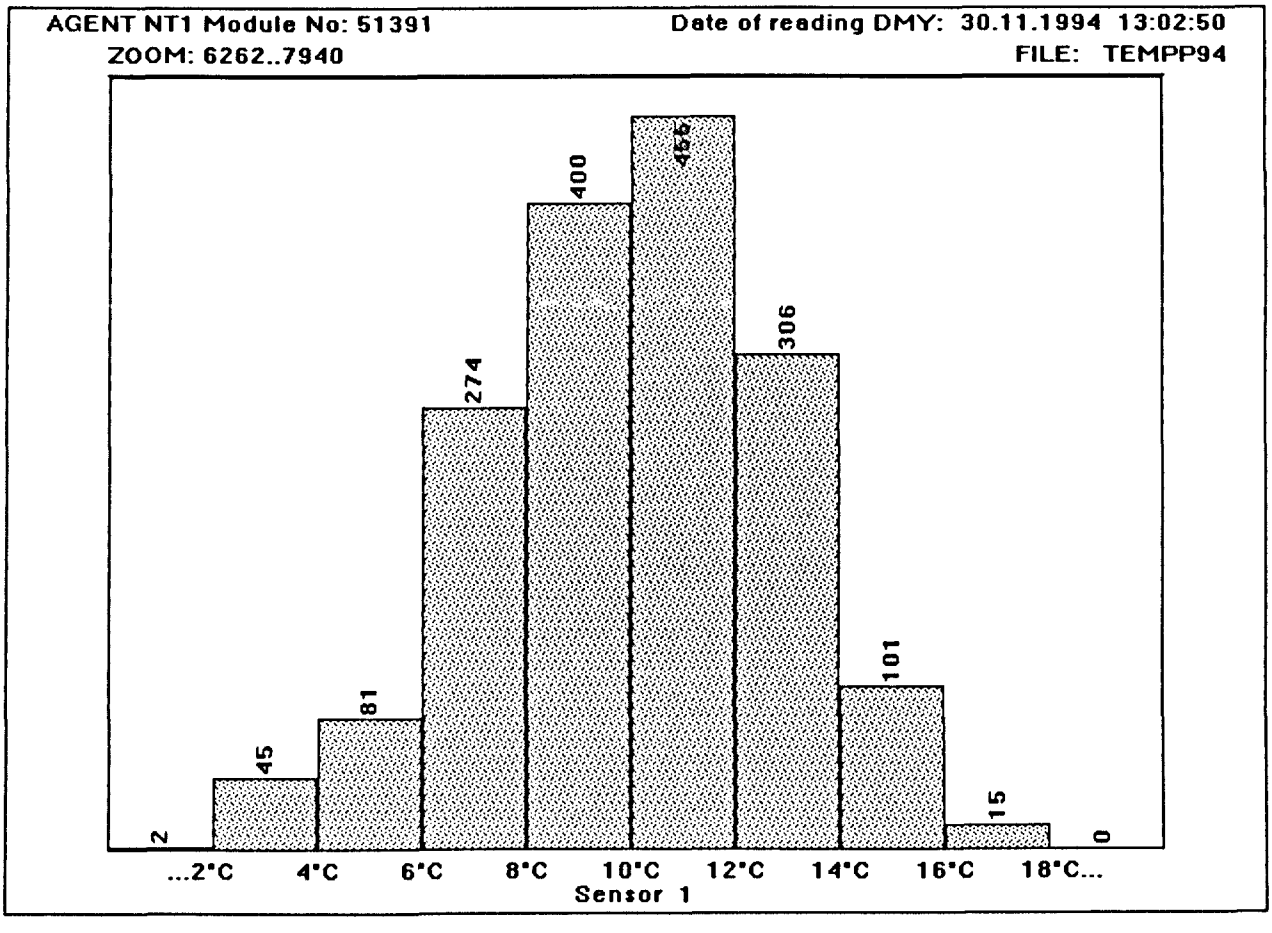
  histogram soil temperature in pots - 19/9 to 28/11 1994



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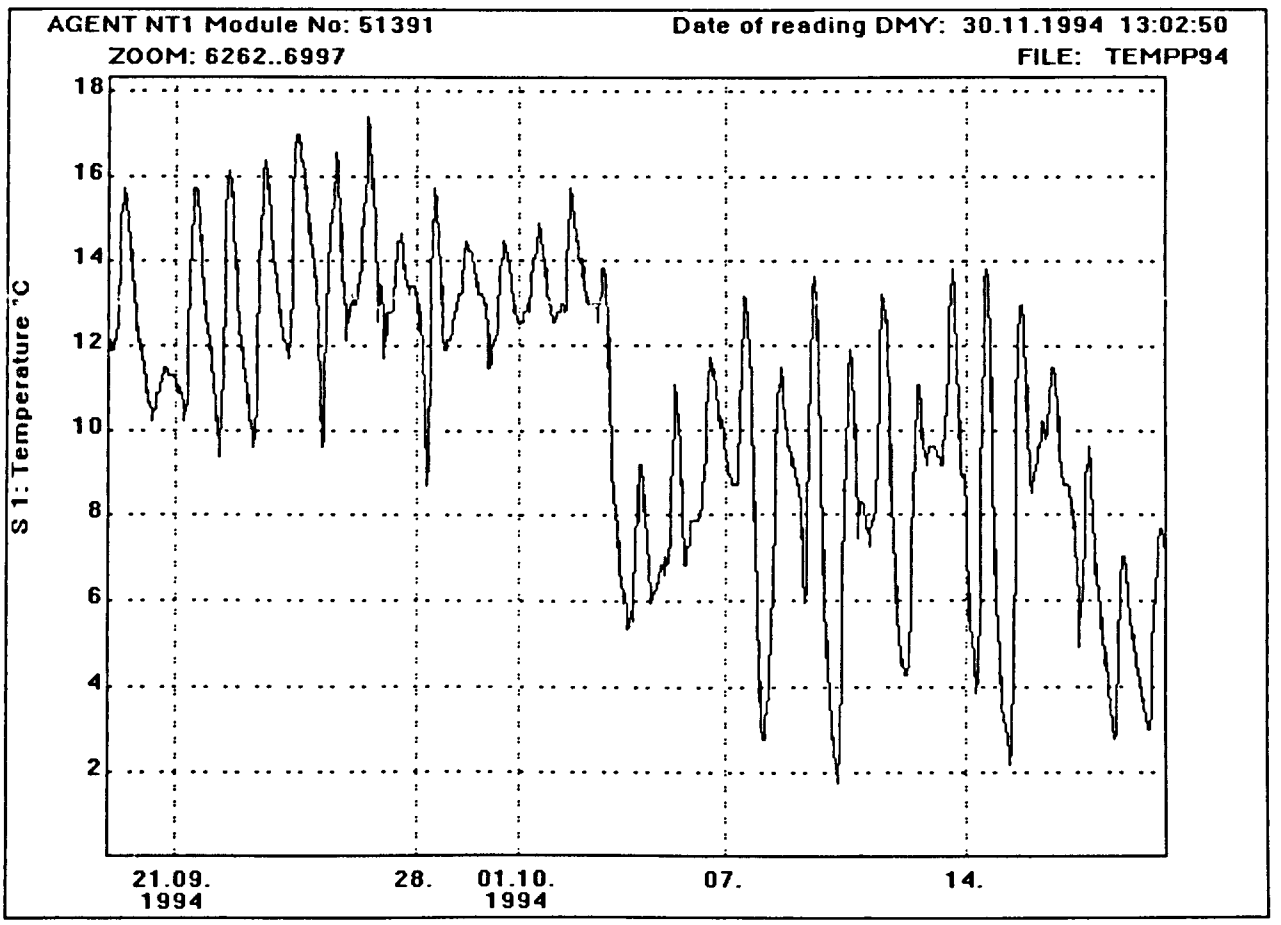
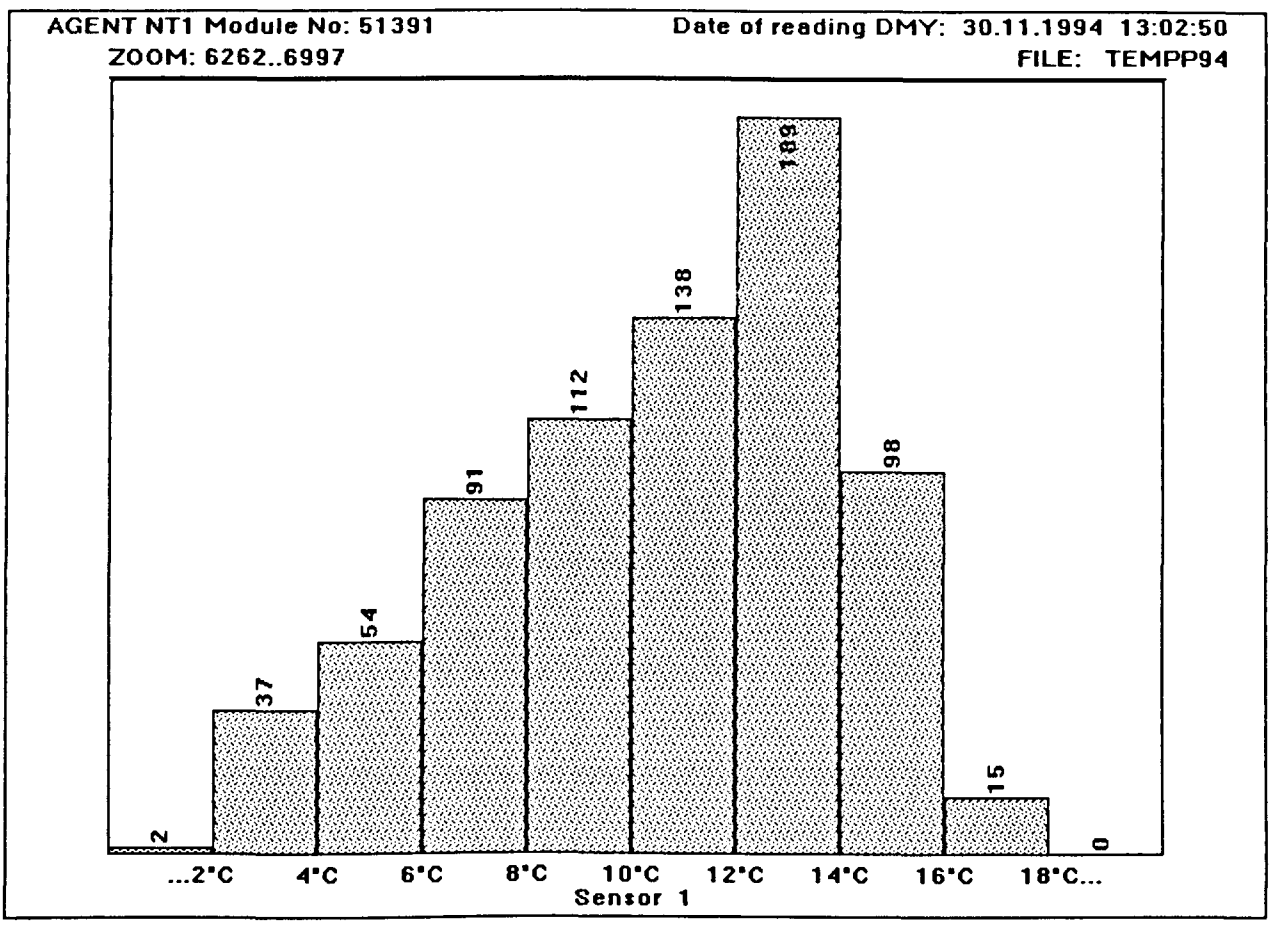
soil temperature in pots 19/9 to 19/10 1994



AGENT NT1: Module No: 51391
Programming info: 4102
Evaluation info: soil temperature in pots 1994
histogram temperature in pots 19/9 to 19/10 1994



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Interval: 3600s; Unit: S1:°C / S
tabel temperatuur pot 1994

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#05628: 23.08.1994 16:48:47
S1 19.8 18.9 18.7 18.1 17.5 16.8 16.6 16.8 16.8 17.0
#05638: 24.08.1994 02:48:47
S1 17.0 17.0 16.8 16.2 15.8 15.1 16.6 17.2 17.0 17.9
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S1 20.0 19.4 19.8 18.9 18.3 17.9 17.2 17.2 16.6 16.0
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#05668: 25.08.1994 08:48:47
S1 15.1 16.8 18.1 19.4 18.9 20.0 18.7 18.5 17.7 17.2
#05678: 25.08.1994 18:48:47
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S1 14.7 14.5 14.3 15.1 16.0 17.7 18.5 18.1 18.9 18.5
#05698: 26.08.1994 14:48:47
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#05728: 27.08.1994 20:48:47
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S1 16.0 16.8 17.0 16.2 15.8 15.3 15.1 14.7 14.1 13.9
#05778: 29.08.1994 22:48:47
S1 13.6 13.6 13.9 13.9 13.6 13.9 13.9 13.9 13.9 13.9
#05788: 30.08.1994 08:48:47
S1 14.1 15.3 16.8 17.2 17.9 19.4 18.7 17.9 17.0 16.2
#05798: 30.08.1994 18:48:47
S1 16.2 15.8 15.5 15.3 14.9 14.1 13.4 13.2 13.0 12.4
#05808: 31.08.1994 04:48:47
S1 11.7 11.1 11.7 12.4 14.1 15.8 17.2 18.1 18.5 18.5
#05818: 31.08.1994 14:48:47
S1 18.7 17.9 17.2 16.8 16.4 16.0 15.8 15.5 15.5 15.5
#05828: 01.09.1994 00:48:47
S1 15.8 15.8 15.8 15.8 15.8 16.0 16.0 16.0 16.4 16.6
#05838: 01.09.1994 10:48:47
S1 16.6 16.8 16.4 17.0 16.8 17.0 17.2 16.6 16.2 15.8
#05848: 01.09.1994 20:48:47
S1 15.8 15.8 15.5 15.5 15.5 15.3 15.3 15.3 15.3 15.3
#05858: 02.09.1994 06:48:47
S1 15.3 15.5 15.8 15.1 14.9 15.3 16.2 15.8 16.0 15.5
#05868: 02.09.1994 16:48:47
S1 14.9 14.5 14.1 13.9 13.9 13.9 14.1 14.1 14.3 14.3
#05878: 03.09.1994 02:48:47
S1 14.5 14.5 14.5 14.7 14.7 14.9 15.1 15.1 15.5 16.2
#05888: 03.09.1994 12:48:47
S1 16.6 16.4 16.4 16.4 17.2 16.2 15.8 14.3 13.2 13.4

AGENT NT1 ID: 51391 PI: 4102 # 2
30.11.1994 13:02:50 EI: soil temperature in pots 1994
Interval: 3600s; Unit: S1:°C / S
tabel temperatuur pot 1994

#05898: 03.09.1994	22:48:47								
S1	13.6	13.9	13.9	14.1	14.1	14.3	14.5	14.7	14.7	15.1
#05908: 04.09.1994	08:48:47								
S1	15.8	16.2	16.6	17.0	17.9	18.3	18.3	18.1	17.9	17.2
#05918: 04.09.1994	18:48:47								
S1	16.8	16.8	16.4	16.2	16.2	16.0	16.0	15.8	15.5	15.5
#05928: 05.09.1994	04:48:47								
S1	15.3	15.3	15.1	15.1	15.3	16.0	16.8	16.2	16.0	15.5
#05938: 05.09.1994	14:48:47								
S1	15.8	15.5	14.7	14.1	13.9	13.4	13.2	13.6	13.6	12.4
#05948: 06.09.1994	00:48:47								
S1	12.2	12.2	12.4	12.6	12.4	12.4	12.6	13.0	13.2	13.6
#05958: 06.09.1994	10:48:47								
S1	15.3	16.2	16.0	16.0	15.8	15.5	15.3	14.9	14.3	13.0
#05968: 06.09.1994	20:48:47								
S1	12.2	11.5	11.5	10.2	9.6	10.5	11.1	11.1	11.3	11.5
#05978: 07.09.1994	06:48:47								
S1	11.9	12.2	12.4	12.8	13.4	13.6	14.1	14.7	14.7	15.1
#05988: 07.09.1994	16:48:47								
S1	15.8	15.3	15.1	14.7	14.1	13.9	13.4	13.2	12.4	11.5
#05998: 08.09.1994	02:48:47								
S1	11.3	11.5	10.5	10.9	11.5	12.2	12.8	14.1	14.7	15.8
#06008: 08.09.1994	12:48:47								
S1	16.8	17.0	17.0	16.0	15.5	14.7	14.5	14.3	14.1	13.6
#06018: 08.09.1994	22:48:47								
S1	13.2	12.8	12.6	12.6	12.2	11.9	11.5	11.3	11.5	11.7
#06028: 09.09.1994	08:48:47								
S1	12.2	13.2	14.1	14.1	14.3	14.1	14.1	14.1	14.1	14.1
#06038: 09.09.1994	18:48:47								
S1	13.2	13.0	12.6	12.4	12.2	12.2	12.2	12.2	12.2	12.2
#06048: 10.09.1994	04:48:47								
S1	12.2	12.2	12.2	11.9	12.4	12.8	13.4	14.1	14.1	14.1
#06058: 10.09.1994	14:48:47								
S1	13.9	13.9	13.6	13.2	12.4	12.2	11.1	11.3	11.5	11.5
#06068: 11.09.1994	00:48:47								
S1	11.3	10.7	10.5	10.2	10.2	10.2	10.5	10.7	11.7	13.2
#06078: 11.09.1994	10:48:47								
S1	13.4	13.6	13.9	13.9	13.9	14.3	14.9	14.7	14.1	13.6
#06088: 11.09.1994	20:48:47								
S1	13.0	13.0	13.2	13.2	13.2	13.2	13.4	13.6	13.6	13.6
#06098: 12.09.1994	06:48:47								
S1	13.6	13.9	14.1	14.3	15.5	17.5	17.5	17.0	16.6	15.8
#06108: 12.09.1994	16:48:47								
S1	14.9	14.5	14.1	13.6	13.2	13.0	13.0	12.8	12.6	12.6
#06118: 13.09.1994	02:48:47								
S1	12.4	12.2	12.2	12.2	12.2	12.2	13.0	13.9	15.8	16.4
#06128: 13.09.1994	12:48:47								
S1	15.5	16.0	16.6	16.0	15.8	15.8	15.5	14.7	14.7	14.1
#06138: 13.09.1994	22:48:47								
S1	13.9	13.0	12.6	12.4	12.4	12.2	11.9	11.7	11.7	11.9
#06148: 14.09.1994	08:48:47								
S1	12.2	12.8	13.2	13.2	13.4	13.4	13.6	13.9	14.1	14.1
#06158: 14.09.1994	18:48:47								
S1	13.9	13.6	13.4	13.2	13.0	12.8	12.4	12.2	12.2	11.9
#06168: 15.09.1994	04:48:47								
S1	11.9	11.9	11.9	12.2	12.6	13.2	13.4	13.6	13.6	13.2

AGENT NT1 ID: 51391 PI: 4102 # 3
30.11.1994 13:02:50 EI: soil temperature in pots 1994
Interval: 3600s; Unit: S1:°C / S

tabel temperatuur pot 1994

#06178: 15.09.1994 14:48:47
S1 13.2 13.2 13.2 12.8 12.6 12.4 12.4 12.2 11.9 11.7
#06188: 16.09.1994 00:48:47
S1 11.7 11.3 11.3 11.3 11.1 11.1 11.3 11.3 11.7 12.2
#06198: 16.09.1994 10:48:47
S1 12.2 12.4 12.4 12.4 12.4 11.9 11.5 10.9 10.2 10.0
#06208: 16.09.1994 20:48:47
S1 9.6 9.4 9.4 9.2 9.0 9.2 9.0 9.2 9.4 9.4
#06218: 17.09.1994 06:48:47
S1 9.4 9.8 10.7 11.5 11.7 12.2 12.4 12.6 12.4 12.4
#06228: 17.09.1994 16:48:47
S1 12.2 12.2 11.9 11.5 11.1 10.9 10.5 10.2 10.0 10.2
#06238: 18.09.1994 02:48:47
S1 9.6 10.2 10.5 10.7 10.7 11.3 12.2 12.6 14.3 15.1
#06248: 18.09.1994 12:48:47
S1 14.7 15.8 15.5 14.9 14.5 14.1 13.6 13.2 13.0 12.6
#06258: 18.09.1994 22:48:47
S1 12.4 12.2 12.2 12.2 12.2 11.9 11.9 11.9 12.2 12.2
#06268: 19.09.1994 08:48:47
S1 13.2 14.1 15.1 15.3 15.5 15.8 15.3 14.9 14.5 14.1
#06278: 19.09.1994 18:48:47
S1 13.6 13.2 12.6 12.4 12.2 12.2 11.9 11.7 11.5 11.1
#06288: 20.09.1994 04:48:47
S1 10.9 10.7 10.7 10.5 10.2 10.5 10.7 10.9 10.9 11.1
#06298: 20.09.1994 14:48:47
S1 11.3 11.3 11.5 11.5 11.3 11.3 11.3 11.3 11.3 11.3
#06308: 21.09.1994 00:48:47
S1 11.1 11.1 10.9 10.9 10.9 10.5 10.2 10.5 10.9 12.6
#06318: 21.09.1994 10:48:47
S1 13.9 14.7 15.5 15.8 15.8 15.5 14.9 14.5 13.9 13.2
#06328: 21.09.1994 20:48:47
S1 13.0 12.6 12.4 12.2 11.9 11.5 11.1 10.5 10.2 10.0
#06338: 22.09.1994 06:48:47
S1 9.4 9.8 10.7 11.9 14.1 15.3 16.0 16.2 16.0 15.5
#06348: 22.09.1994 16:48:47
S1 14.7 14.3 13.9 13.0 12.4 12.2 11.9 11.5 11.3 11.1
#06358: 23.09.1994 02:48:47
S1 10.7 10.2 10.2 10.0 9.6 10.2 10.5 12.4 14.1 14.9
#06368: 23.09.1994 12:48:47
S1 15.8 16.2 16.4 16.0 15.8 15.5 14.7 14.1 14.1 13.9
#06378: 23.09.1994 22:48:47
S1 13.4 13.0 12.8 12.6 12.2 12.2 12.2 11.9 11.7 11.9
#06388: 24.09.1994 08:48:47
S1 12.6 13.9 15.8 16.8 17.0 17.0 16.8 16.4 16.4 16.0
#06398: 24.09.1994 18:48:47
S1 15.8 15.3 15.1 14.7 14.5 14.3 13.9 13.6 13.2 12.2
#06408: 25.09.1994 04:48:47
S1 10.9 10.2 9.6 10.0 11.5 13.0 14.1 14.7 14.9 15.1
#06418: 25.09.1994 14:48:47
S1 15.8 16.4 16.6 16.0 15.3 14.3 13.6 13.2 13.0 12.2
#06428: 26.09.1994 00:48:47
S1 12.6 13.0 13.2 13.0 13.0 13.0 13.0 13.4 13.6 14.1
#06438: 26.09.1994 10:48:47
S1 14.7 15.3 15.5 16.8 17.5 16.8 16.2 15.8 15.5 14.5
#06448: 26.09.1994 20:48:47
S1 13.6 12.6 13.0 13.4 13.0 11.7 12.2 12.6 12.8 12.8

AGENT NT1 ID: 51391 PI: 4102 # 4
30.11.1994 13:02:50 EI: soil temperature in pots 1994
Interval: 3600s; Unit: S1:°C / S

tabel temperatuur pot 1994

#06458: 27.09.1994 06:48:47
S1 12.8 13.0 13.2 13.9 14.5 14.5 14.5 14.7 14.1 13.9
#06468: 27.09.1994 16:48:47
S1 13.6 13.4 13.2 13.4 13.4 13.4 13.4 13.2 13.0 13.0
#06478: 28.09.1994 02:48:47
S1 12.4 12.4 11.9 10.2 9.6 8.8 10.0 12.2 13.9 14.9
#06488: 28.09.1994 12:48:47
S1 15.8 15.3 15.1 14.5 13.9 13.0 12.2 11.9 11.9 12.2
#06498: 28.09.1994 22:48:47
S1 12.2 12.2 12.2 12.6 12.8 13.0 13.0 13.2 13.2 13.4
#06508: 29.09.1994 08:48:47
S1 13.6 14.3 14.5 14.5 14.3 14.3 14.1 14.1 13.9 13.6
#06518: 29.09.1994 18:48:47
S1 13.4 13.2 13.2 13.2 13.2 13.0 13.0 12.6 11.5 11.5
#06528: 30.09.1994 04:48:47
S1 11.7 11.9 12.2 12.2 12.6 13.0 13.9 14.1 14.1 14.5
#06538: 30.09.1994 14:48:47
S1 14.3 14.1 14.1 13.9 13.4 13.0 12.8 12.8 12.6 12.6
#06548: 01.10.1994 00:48:47
S1 12.6 12.6 12.6 12.8 12.8 13.0 12.8 13.0 13.6 14.1
#06558: 01.10.1994 10:48:47
S1 14.1 14.1 14.5 14.9 14.9 14.5 14.3 14.1 13.6 13.2
#06568: 01.10.1994 20:48:47
S1 13.0 12.8 12.8 12.6 12.6 12.6 12.8 12.8 12.8 13.0
#06578: 02.10.1994 06:48:47
S1 13.0 12.8 13.0 14.1 14.9 15.3 15.8 15.3 14.9 14.7
#06588: 02.10.1994 16:48:47
S1 14.5 14.1 14.1 14.1 13.6 13.4 13.2 13.0 13.0 13.0
#06598: 03.10.1994 02:48:47
S1 13.0 13.0 13.0 13.0 13.0 12.6 13.0 13.6 13.9 13.9
#06608: 03.10.1994 12:48:47
S1 13.4 12.8 11.5 10.5 9.0 8.3 8.3 8.1 7.7 7.3
#06618: 03.10.1994 22:48:47
S1 6.6 6.4 6.0 6.2 6.2 5.4 5.6 5.6 5.8 5.6
#06628: 04.10.1994 08:48:47
S1 6.4 7.5 8.8 9.2 7.9 9.2 8.8 8.1 7.9 7.3
#06638: 04.10.1994 18:48:47
S1 6.6 6.6 6.0 6.2 6.2 6.2 6.4 6.4 6.6 6.9
#06648: 05.10.1994 04:48:47
S1 6.9 7.1 6.6 6.9 7.1 7.9 8.8 9.6 10.2 11.1
#06658: 05.10.1994 14:48:47
S1 10.5 10.2 9.2 8.8 7.7 6.9 7.3 6.9 7.3 7.5
#06668: 06.10.1994 00:48:47
S1 7.9 7.9 7.9 7.9 7.9 7.9 8.1 8.3 8.8 9.0
#06678: 06.10.1994 10:48:47
S1 10.0 10.5 11.3 11.7 11.3 11.5 11.3 10.9 10.5 10.2
#06688: 06.10.1994 20:48:47
S1 10.0 10.2 10.2 9.6 9.4 9.0 9.0 9.0 8.8 8.8
#06698: 07.10.1994 06:48:47
S1 8.8 8.8 8.8 9.4 10.7 11.9 13.0 13.2 13.0 12.4
#06708: 07.10.1994 16:48:47
S1 11.9 11.5 10.2 8.8 7.9 7.1 5.6 4.5 3.7 3.0
#06718: 08.10.1994 02:48:47
S1 2.8 2.8 3.2 3.7 3.9 4.5 5.6 6.9 8.8 9.6
#06728: 08.10.1994 12:48:47
S1 10.9 11.1 11.5 11.1 10.7 10.2 10.0 9.6 9.6 9.4

AGENT NT1 ID: 51391 PI: 4102 # 5
30.11.1994 13:02:50 EI: soil temperature in pots 1994
Interval: 3600s; Unit: S1:°C / S

tabel temperatuur pot 1994

#06738: 08.10.1994 22:48:47
S1 9.2 9.2 9.0 8.8 8.8 8.8 8.1 7.5 6.4 6.0
#06748: 09.10.1994 08:48:47
S1 6.6 8.3 10.2 11.9 13.0 13.4 13.6 13.2 12.2 10.9
#06758: 09.10.1994 18:48:47
S1 8.8 7.7 6.6 5.8 5.4 4.7 4.3 3.7 3.0 2.8
#06768: 10.10.1994 04:48:47
S1 2.4 2.2 1.8 2.0 3.0 5.4 7.1 8.5 9.8 10.9
#06778: 10.10.1994 14:48:47
S1 11.5 11.9 11.3 10.7 9.8 8.8 7.5 7.9 8.3 8.3
#06788: 11.10.1994 00:48:47
S1 8.1 8.1 7.7 7.7 7.3 7.7 7.9 7.9 7.9 8.5
#06798: 11.10.1994 10:48:47
S1 9.8 11.3 12.2 13.2 13.0 12.8 12.6 12.2 10.2 8.8
#06808: 11.10.1994 20:48:47
S1 8.1 7.5 6.6 6.0 5.6 5.2 4.7 4.5 4.5 4.3
#06818: 12.10.1994 06:48:47
S1 4.3 4.3 4.9 6.4 7.7 8.8 10.0 10.9 11.1 11.1
#06828: 12.10.1994 16:48:47
S1 10.2 9.8 9.6 9.4 9.2 9.4 9.6 9.6 9.6 9.6
#06838: 13.10.1994 02:48:47
S1 9.6 9.4 9.4 9.4 9.2 9.2 9.6 10.2 10.7 12.4
#06848: 13.10.1994 12:48:47
S1 12.8 13.4 13.9 13.6 12.6 11.5 10.7 9.8 9.0 9.0
#06858: 13.10.1994 22:48:47
S1 9.0 8.8 7.1 6.4 5.6 5.4 5.2 4.5 4.3 3.9
#06868: 14.10.1994 08:48:47
S1 4.7 6.6 9.2 10.9 12.6 13.6 13.9 13.4 12.2 10.5
#06878: 14.10.1994 18:48:47
S1 8.8 7.7 6.6 5.8 5.4 4.5 4.1 3.5 3.2 3.0
#06888: 15.10.1994 04:48:47
S1 3.0 2.8 2.2 2.2 3.0 5.4 8.5 10.9 12.4 13.0
#06898: 15.10.1994 14:48:47
S1 13.0 12.8 12.2 11.5 10.5 9.8 8.8 8.5 8.8 9.0
#06908: 16.10.1994 00:48:47
S1 9.2 9.4 9.6 9.6 10.0 10.2 10.0 9.8 10.0 10.2
#06918: 16.10.1994 10:48:47
S1 10.9 11.5 11.5 11.5 11.1 10.7 10.0 9.4 9.0 8.8
#06928: 16.10.1994 20:48:47
S1 8.8 8.8 8.8 8.5 8.5 8.1 8.1 7.7 7.1 6.9
#06938: 17.10.1994 06:48:47
S1 5.6 4.9 5.8 6.6 8.1 9.0 9.2 9.6 9.2 8.5
#06948: 17.10.1994 16:48:47
S1 7.9 7.1 6.6 6.4 6.2 5.8 5.4 5.2 4.9 4.5
#06958: 18.10.1994 02:48:47
S1 4.5 3.9 3.5 3.5 3.0 2.8 3.0 3.7 5.4 6.2
#06968: 18.10.1994 12:48:47
S1 6.6 7.1 7.1 6.6 6.4 6.0 5.6 5.4 5.2 4.9
#06978: 18.10.1994 22:48:47
S1 4.5 4.5 4.3 4.1 3.9 3.7 3.5 3.2 3.0 3.0
#06988: 19.10.1994 08:48:47
S1 3.0 3.9 5.2 5.8 6.4 6.9 7.5 7.7 7.7 7.3
#06998: 19.10.1994 18:48:47
S1 6.9 6.6 6.6 6.6 6.4 6.0 6.0 5.8 5.8 5.6
#07008: 20.10.1994 04:48:47
S1 5.4 5.2 4.5 4.5 4.5 5.2 6.4 7.1 7.5 7.9

AGENT NT1 ID: 51391 PI: 4102 # 6
30.11.1994 13:02:50 EI: soil temperature in pots 1994
Interval: 3600s; Unit: S1:°C / S
tabel temperatuur pot 1994

#07018: 20.10.1994 14:48:47
S1 8.3 7.9 7.9 7.7 7.5 7.3 7.1 6.9 6.6 6.6
#07028: 21.10.1994 00:48:47
S1 6.9 7.1 7.1 7.1 6.9 6.6 6.6 6.6 6.6 7.3
#07038: 21.10.1994 10:48:47
S1 7.9 8.5 9.0 9.0 9.2 9.2 9.2 9.4 9.0 8.5
#07048: 21.10.1994 20:48:47
S1 7.9 7.7 7.1 7.3 7.5 7.7 7.9 7.9 8.1 8.5
#07058: 22.10.1994 06:48:47
S1 8.5 8.8 9.0 9.4 10.2 10.5 10.9 11.3 11.5 11.7
#07068: 22.10.1994 16:48:47
S1 11.9 11.9 12.2 12.2 12.2 12.4 12.6 12.6 12.2 12.2
#07078: 23.10.1994 02:48:47
S1 11.9 11.5 11.1 10.9 10.9 10.9 11.1 11.5 12.2 12.6
#07088: 23.10.1994 12:48:47
S1 12.6 12.8 12.8 12.2 12.2 11.7 11.5 11.3 11.1 10.7
#07098: 23.10.1994 22:48:47
S1 10.5 10.2 10.0 9.6 9.6 9.2 9.2 9.2 9.2 9.2
#07108: 24.10.1994 08:48:47
S1 9.2 9.6 10.5 11.5 11.3 11.5 11.7 10.7 10.2 9.6
#07118: 24.10.1994 18:48:47
S1 9.4 9.4 9.2 9.2 9.0 8.8 8.8 8.5 8.5 8.5
#07128: 25.10.1994 04:48:47
S1 8.3 8.3 8.1 8.1 8.3 8.8 9.2 9.6 9.8 10.2
#07138: 25.10.1994 14:48:47
S1 10.7 10.7 10.2 10.2 9.8 9.6 9.4 9.0 8.8 8.5
#07148: 26.10.1994 00:48:47
S1 8.5 8.3 8.3 8.1 7.9 7.9 7.7 7.5 7.9 8.1
#07158: 26.10.1994 10:48:47
S1 8.1 8.3 8.5 8.8 9.2 9.6 9.4 9.2 9.0 8.8
#07168: 26.10.1994 20:48:47
S1 8.8 8.8 8.5 8.3 8.1 7.9 7.9 7.9 7.5 7.1
#07178: 27.10.1994 06:48:47
S1 7.1 7.1 7.3 7.5 7.9 7.9 8.1 8.8 8.8 8.3
#07188: 27.10.1994 16:48:47
S1 8.1 7.9 7.5 7.3 7.1 7.1 7.1 7.1 7.3 7.3
#07198: 28.10.1994 02:48:47
S1 7.3 7.3 7.1 6.9 6.6 6.6 6.6 7.5 7.9 8.8
#07208: 28.10.1994 12:48:47
S1 9.0 6.0 7.1 7.9 8.1 7.9 7.5 7.3 6.9 6.6
#07218: 28.10.1994 22:48:47
S1 6.6 6.6 6.4 6.4 6.6 6.4 6.2 6.4 6.4 6.6
#07228: 29.10.1994 08:48:47
S1 6.6 7.1 7.5 7.5 7.7 7.9 7.9 7.9 8.1 8.5
#07238: 29.10.1994 18:48:47
S1 8.8 9.2 9.6 9.8 10.0 9.8 9.8 9.8 10.0 10.2
#07248: 30.10.1994 04:48:47
S1 11.3 11.9 12.2 12.6 12.8 13.0 13.2 13.6 13.6 13.9
#07258: 30.10.1994 14:48:47
S1 14.1 14.1 13.9 13.9 13.9 13.9 13.9 13.9 13.9 14.1
#07268: 31.10.1994 00:48:47
S1 13.9 13.6 13.4 13.4 13.4 13.4 13.2 13.2 12.8 12.6
#07278: 31.10.1994 10:48:47
S1 12.4 12.2 12.2 11.9 12.2 11.9 11.9 11.9 11.7 11.5
#07288: 31.10.1994 20:48:47
S1 11.3 11.3 11.1 10.9 10.7 10.5 10.0 9.8 9.4 9.2

AGENT NT1 ID: 51391 PI: 4102 # 7
30.11.1994 13:02:50 EI: soil temperature in pots 1994
Interval: 3600s; Unit: S1:°C / S
tabel temperatuur pot 1994

#07298: 01.11.1994 06:48:47
S1 8.8 8.5 8.5 8.8 9.8 10.2 10.5 10.5 10.2 10.0
#07308: 01.11.1994 16:48:47
S1 9.8 9.4 8.8 8.5 8.1 7.9 7.7 7.3 7.1 6.6
#07318: 02.11.1994 02:48:47
S1 6.2 5.8 4.9 4.5 3.7 3.0 3.0 3.7 5.8 7.7
#07328: 02.11.1994 12:48:47
S1 8.3 8.8 8.8 8.8 8.3 7.9 7.9 7.7 7.5 7.3
#07338: 02.11.1994 22:48:47
S1 7.3 7.1 6.6 6.6 6.6 6.6 6.6 6.9 6.6 6.6
#07348: 03.11.1994 08:48:47
S1 7.1 7.5 8.5 9.2 10.2 10.7 11.1 11.1 10.9 10.7
#07358: 03.11.1994 18:48:47
S1 10.5 10.2 10.2 10.2 9.8 9.6 9.6 9.4 9.2 9.2
#07368: 04.11.1994 04:48:47
S1 9.0 8.8 8.8 8.8 8.8 9.2 10.5 11.5 12.2 12.4
#07378: 04.11.1994 14:48:47
S1 12.8 12.4 12.2 11.9 11.7 11.7 11.7 11.5 11.1 10.9
#07388: 05.11.1994 00:48:47
S1 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.0 10.0 10.2
#07398: 05.11.1994 10:48:47
S1 10.9 11.3 12.2 12.6 13.2 13.2 12.4 12.2 11.3 11.1
#07408: 05.11.1994 20:48:47
S1 11.1 11.1 11.1 10.9 10.9 10.9 11.1 11.3 11.3 11.1
#07418: 06.11.1994 06:48:47
S1 11.1 10.9 10.9 11.3 12.2 12.4 12.8 13.0 13.0 12.4
#07428: 06.11.1994 16:48:47
S1 11.5 10.9 11.1 11.1 10.7 9.2 8.3 7.5 6.9 6.9
#07438: 07.11.1994 02:48:47
S1 7.5 7.9 7.9 8.1 8.3 8.3 8.8 8.8 9.2 9.6
#07448: 07.11.1994 12:48:47
S1 10.2 10.7 10.9 10.9 10.9 10.7 10.7 10.7 10.7 10.7
#07458: 07.11.1994 22:48:47
S1 10.5 10.5 10.5 10.5 10.2 9.6 10.0 10.2 10.2 10.2
#07468: 08.11.1994 08:48:47
S1 10.2 10.2 10.5 10.7 11.3 11.5 11.3 11.3 10.7 10.2
#07478: 08.11.1994 18:48:47
S1 10.2 10.0 10.0 9.8 10.0 9.8 9.6 9.4 9.2 9.0
#07488: 09.11.1994 04:48:47
S1 8.8 8.8 8.5 8.3 8.3 8.3 8.8 9.2 9.6 9.8
#07498: 09.11.1994 14:48:47
S1 10.0 10.0 9.8 9.6 9.6 9.6 9.6 9.6 9.6 9.6
#07508: 10.11.1994 00:48:47
S1 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 10.0
#07518: 10.11.1994 10:48:47
S1 10.2 10.7 11.1 11.1 11.3 11.3 10.9 10.7 10.5 10.2
#07528: 10.11.1994 20:48:47
S1 9.6 9.6 9.4 9.2 8.8 8.8 8.8 7.9 7.7 7.9
#07538: 11.11.1994 06:48:47
S1 8.1 7.9 8.1 8.8 9.2 9.8 10.2 10.7 10.7 10.5
#07548: 11.11.1994 16:48:47
S1 10.5 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.0 10.2
#07558: 12.11.1994 02:48:47
S1 9.4 8.3 8.1 8.1 8.3 8.5 8.8 9.0 9.4 10.0
#07568: 12.11.1994 12:48:47
S1 10.5 10.7 10.7 10.7 10.7 10.5 10.2 10.2 10.2 10.2

AGENT NT1 ID: 51391 PI: 4102 # 8
30.11.1994 13:02:50 EI: soil temperature in pots 1994
Interval: 3600s; Unit: S1:°C / S

tabel temperatuur pot 1994

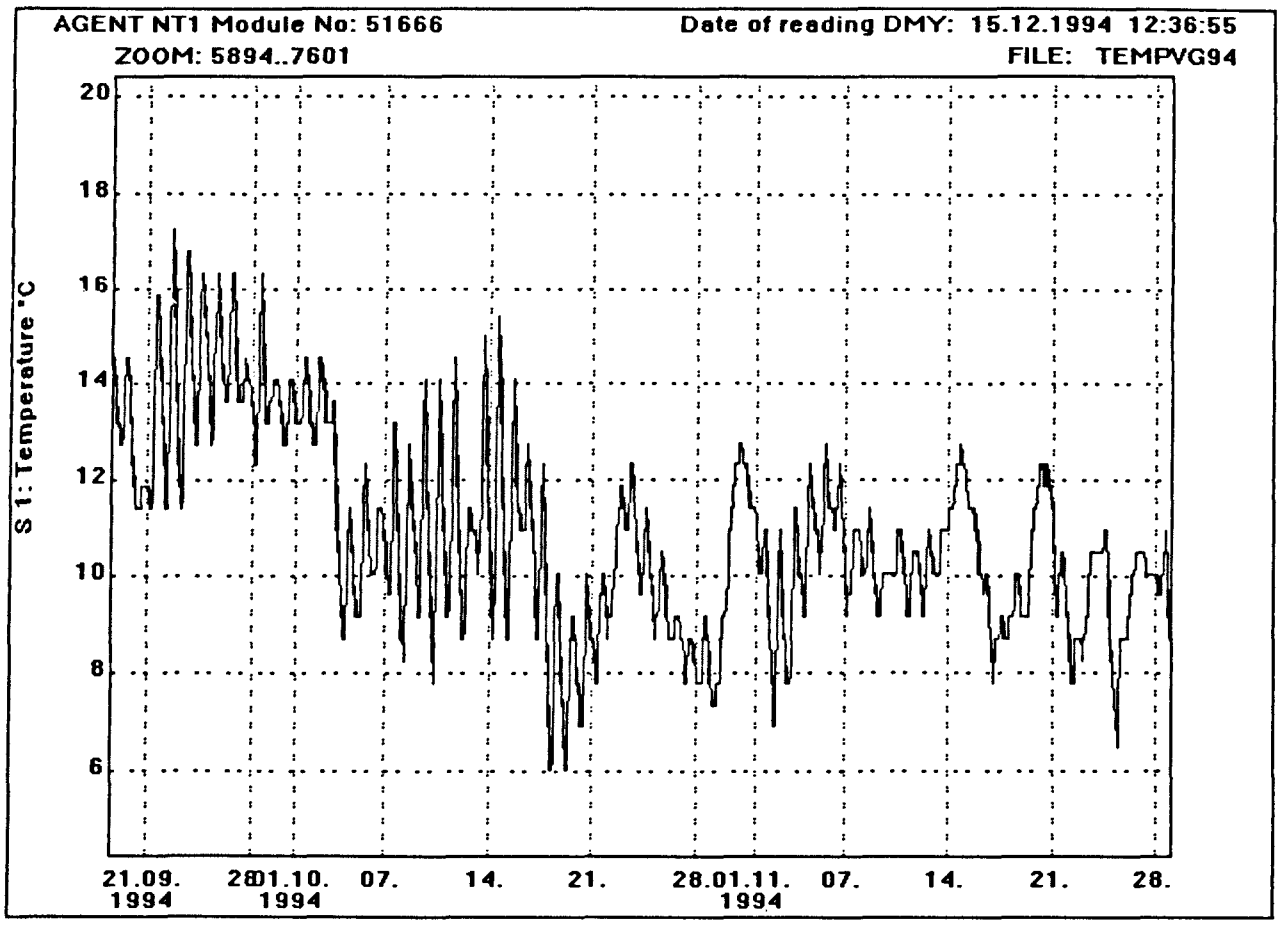
#07578: 12.11.1994 22:48:47
S1 10.2 10.2 10.0 10.0 10.0 10.0 9.8 9.8 9.8 9.8
#07588: 13.11.1994 08:48:47
S1 10.0 10.0 10.2 11.1 11.7 11.7 11.5 11.1 11.1 11.1
#07598: 13.11.1994 18:48:47
S1 11.1 11.1 11.1 11.3 11.5 11.5 11.7 11.9 11.9 12.2
#07608: 14.11.1994 04:48:47
S1 12.2 12.2 12.4 12.6 12.6 12.6 12.8 13.0 13.0 13.2
#07618: 14.11.1994 14:48:47
S1 13.4 13.6 13.6 13.6 13.6 13.6 13.4 13.2 13.0 12.8
#07628: 15.11.1994 00:48:47
S1 12.4 12.2 12.2 12.2 11.9 11.9 11.7 11.5 11.1 11.1
#07638: 15.11.1994 10:48:47
S1 11.3 11.5 11.7 11.7 11.5 11.1 10.7 10.5 10.5 10.2
#07648: 15.11.1994 20:48:47
S1 10.2 10.0 10.0 9.8 9.2 9.2 9.0 8.8 8.8 8.8
#07658: 16.11.1994 06:48:47
S1 8.8 8.5 8.5 8.5 9.0 9.2 9.0 9.2 9.4 8.8
#07668: 16.11.1994 16:48:47
S1 8.3 8.1 7.9 7.7 7.3 7.1 6.6 6.6 6.6 6.6
#07678: 17.11.1994 02:48:47
S1 6.6 7.3 7.7 7.9 8.1 8.1 7.9 7.9 8.1 8.3
#07688: 17.11.1994 12:48:47
S1 8.8 8.8 8.5 8.3 7.9 7.9 7.9 7.9 8.1 8.1
#07698: 17.11.1994 22:48:47
S1 8.1 8.5 8.5 8.3 8.5 8.5 8.5 8.5 8.8 8.8
#07708: 18.11.1994 08:48:47
S1 9.0 9.4 10.0 10.5 10.9 10.9 10.5 10.2 10.2 10.0
#07718: 18.11.1994 18:48:47
S1 9.4 7.9 8.1 8.5 8.8 8.8 8.8 8.8 8.8 8.8
#07728: 19.11.1994 04:48:47
S1 8.8 8.8 8.8 8.8 9.0 9.0 9.4 10.2 11.1 11.7
#07738: 19.11.1994 14:48:47
S1 12.2 12.6 12.8 13.0 13.0 13.2 13.2 13.2 13.2 13.0
#07748: 20.11.1994 00:48:47
S1 13.0 13.0 13.2 13.4 13.6 13.6 13.4 13.0 12.8 12.8
#07758: 20.11.1994 10:48:47
S1 12.8 12.8 12.6 12.8 12.6 12.6 12.6 12.4 12.4 12.4
#07768: 20.11.1994 20:48:47
S1 12.6 11.9 11.1 10.5 10.0 9.6 9.0 9.0 8.8 8.8
#07778: 21.11.1994 06:48:47
S1 8.5 8.8 8.8 8.8 9.4 10.0 10.7 10.7 10.7 10.5
#07788: 21.11.1994 16:48:47
S1 10.0 9.2 9.0 9.0 8.8 7.9 7.3 7.1 6.6 6.4
#07798: 22.11.1994 02:48:47
S1 6.0 5.4 5.4 5.6 5.8 6.0 6.2 6.6 7.3 7.7
#07808: 22.11.1994 12:48:47
S1 7.9 8.3 8.5 8.5 8.5 8.3 8.3 8.3 8.5 8.5
#07818: 22.11.1994 22:48:47
S1 7.9 7.1 6.6 6.6 7.3 7.3 7.9 8.3 8.3 8.5
#07828: 23.11.1994 08:48:47
S1 8.5 8.8 9.4 10.0 10.5 10.7 10.9 10.9 10.9 10.9
#07838: 23.11.1994 18:48:47
S1 11.1 10.9 10.7 10.7 10.9 10.9 10.9 10.9 10.9 10.7
#07848: 24.11.1994 04:48:47
S1 10.7 10.7 10.5 10.5 10.7 10.9 11.1 11.3 11.3 11.1

AGENT NT1 ID: 51391 PI: 4102 # 9
30.11.1994 13:02:50 EI: soil temperature in pots 1994
Interval: 3600s; Unit: S1:°C / S

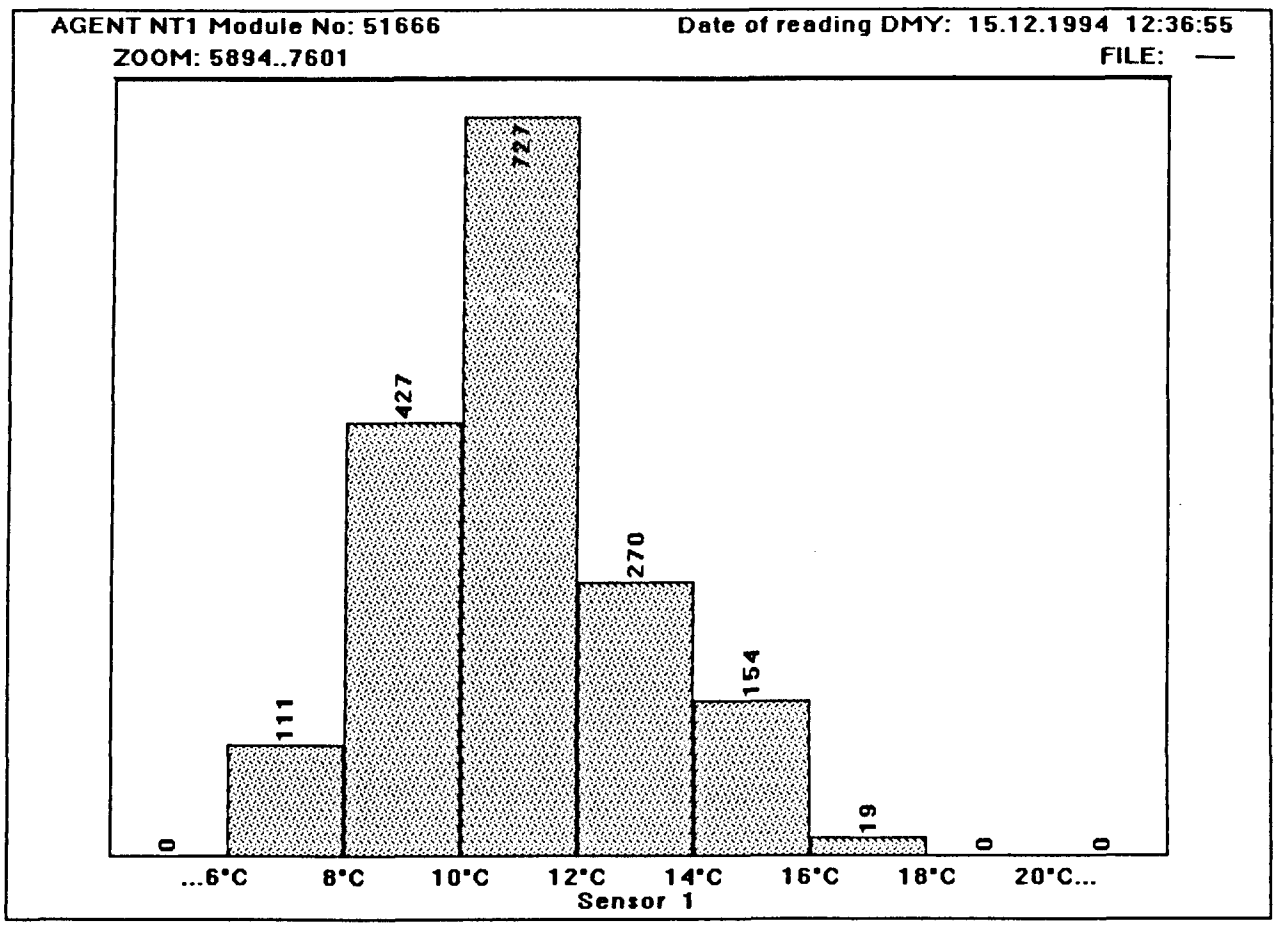
tabel temperatuur pot 1994

#07858: 24.11.1994 14:48:47
S1 10.5 9.6 9.0 8.1 6.9 6.4 6.4 5.8 5.4 5.4
#07868: 25.11.1994 00:48:47
S1 5.2 4.9 4.5 4.7 4.9 4.5 3.9 3.0 3.0 3.5
#07878: 25.11.1994 10:48:47
S1 5.4 6.6 7.9 8.1 8.5 8.3 7.5 6.6 7.1 7.3
#07888: 25.11.1994 20:48:47
S1 7.7 7.9 7.9 8.1 8.3 8.5 8.8 8.8 8.8 9.2
#07898: 26.11.1994 06:48:47
S1 9.4 10.0 10.2 10.5 10.7 11.1 11.3 11.3 11.3 11.3
#07908: 26.11.1994 16:48:47
S1 11.3 11.3 11.3 11.3 11.3 11.1 11.1 11.1 10.9 10.9
#07918: 27.11.1994 02:48:47
S1 10.7 10.7 10.5 10.2 10.2 10.2 10.2 10.2 10.2 10.2
#07928: 27.11.1994 12:48:47
S1 10.5 10.7 10.7 10.7 10.2 10.2 10.2 10.0 10.2 10.0
#07938: 27.11.1994 22:48:47
S1 10.0 10.0 10.0 9.4 8.8 9.2 9.2 9.4 9.4 9.2
#07948: 28.11.1994 08:48:47
S1 9.2 9.6 10.0 10.7 11.1 10.9 10.9 10.2

AGENT NT1: Module No: 51666
Programming info:
Evaluation info: temperatuur in de vollegrond 1994
temperature of field soil 1994



AGENT NT1: Module No: 51666
Programming info:
Evaluation info: temperatuur in de vollegrond 1994
histogram temperature in field soil 1994



AGENT NT1 ID: 51666 PI: # 1
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#05229: 22.08.1994 00:47:00
S1 UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF
#05239: 22.08.1994 10:47:00
S1 UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF
#05249: 22.08.1994 20:47:00
S1 UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF UNDEF
#05259: 23.08.1994 06:47:00
S1 UNDEF UNDEF 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18.6
#05269: 23.08.1994 16:47:00
S1 19.0 19.5 19.0 19.0 18.6 18.1 18.1 17.7 17.2 17.2
#05279: 24.08.1994 02:47:00
S1 17.2 17.2 17.2 17.2 17.2 16.8 16.8 17.2 17.2 17.2
#05289: 24.08.1994 12:47:00
S1 17.7 18.1 18.6 18.6 18.6 18.1 18.1 18.1 17.7 17.2
#05299: 24.08.1994 22:47:00
S1 17.2 16.8 16.3 16.3 15.9 15.5 15.5 15.5 15.5 15.5
#05309: 25.08.1994 08:47:00
S1 15.5 15.5 16.3 16.8 17.2 17.7 17.7 18.1 18.1 18.1
#05319: 25.08.1994 18:47:00
S1 17.7 17.7 17.2 17.2 17.2 16.8 16.3 16.3 16.3 15.9
#05329: 26.08.1994 04:47:00
S1 15.9 15.5 15.5 15.5 15.5 16.3 16.8 16.8 17.2 17.2
#05339: 26.08.1994 14:47:00
S1 17.2 17.2 17.7 17.7 17.7 17.7 17.2 17.2 17.2 16.8
#05349: 27.08.1994 00:47:00
S1 16.8 16.8 16.3 16.3 16.3 15.9 15.9 15.9 15.9 15.9
#05359: 27.08.1994 10:47:00
S1 16.3 16.3 17.2 17.2 17.7 17.7 18.1 18.1 18.1 17.7
#05369: 27.08.1994 20:47:00
S1 17.2 17.2 16.8 16.3 16.3 15.9 15.9 15.5 15.5 15.0
#05379: 28.08.1994 06:47:00
S1 15.0 14.6 14.6 14.6 15.0 15.5 15.5 16.3 16.3 16.3
#05389: 28.08.1994 16:47:00
S1 16.3 16.3 16.3 15.9 15.5 15.5 15.5 15.5 15.0 15.0
#05399: 29.08.1994 02:47:00
S1 14.6 14.6 14.1 14.1 14.1 14.1 14.1 14.6 15.0 15.5
#05409: 29.08.1994 12:47:00
S1 15.5 16.3 16.8 16.8 17.2 17.2 16.8 16.3 16.3 15.9
#05419: 29.08.1994 22:47:00
S1 15.5 15.5 15.5 15.5 15.0 15.0 14.6 14.6 14.6 14.6
#05429: 30.08.1994 08:47:00
S1 14.6 15.0 15.5 15.9 16.3 16.8 17.2 17.7 17.2 17.2
#05439: 30.08.1994 18:47:00
S1 17.2 16.8 16.8 16.3 16.3 16.3 15.9 15.9 15.5 15.5
#05449: 31.08.1994 04:47:00
S1 15.5 15.0 14.6 14.6 14.6 15.5 15.9 16.8 17.2 18.1
#05459: 31.08.1994 14:47:00
S1 18.1 18.6 18.1 18.1 17.7 17.7 17.2 17.2 16.8 16.8
#05469: 01.09.1994 00:47:00
S1 16.8 16.8 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.8
#05479: 01.09.1994 10:47:00
S1 16.8 16.8 16.8 16.8 16.8 16.8 17.2 17.2 16.8 16.8
#05489: 01.09.1994 20:47:00
S1 16.3 16.3 16.3 16.3 16.3 16.3 15.9 15.9 15.9 15.9
#05499: 02.09.1994 06:47:00
S1 15.9 15.9 16.3 16.3 15.9 15.9 16.3 16.8 17.2 17.2

AGENT NT1 ID: 51666 PI: # 2
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#05509: 02.09.1994 16:47:00
S1 17.2 16.8 16.3 15.9 15.9 15.5 15.5 15.5 15.5 15.5
#05519: 03.09.1994 02:47:00
S1 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.9 15.9 15.9
#05529: 03.09.1994 12:47:00
S1 16.3 16.3 16.3 16.3 16.8 17.2 17.2 16.8 16.3 15.9
#05539: 03.09.1994 22:47:00
S1 15.5 15.5 15.5 15.0 15.0 15.5 15.5 15.5 15.5 15.5
#05549: 04.09.1994 08:47:00
S1 15.5 15.9 16.3 16.3 16.8 17.2 17.2 17.2 17.2 17.2
#05559: 04.09.1994 18:47:00
S1 17.2 17.2 17.2 16.8 16.8 16.8 16.3 16.3 16.3 16.3
#05569: 05.09.1994 04:47:00
S1 16.3 15.9 15.9 15.9 15.9 15.9 16.3 16.3 16.8 16.8
#05579: 05.09.1994 14:47:00
S1 17.2 17.2 16.8 16.8 16.3 15.9 15.5 15.5 15.5 15.0
#05589: 06.09.1994 00:47:00
S1 14.6 14.6 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1
#05599: 06.09.1994 10:47:00
S1 14.6 15.0 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5
#05609: 06.09.1994 20:47:00
S1 15.0 14.6 14.1 13.7 13.2 13.2 13.2 13.2 13.2 13.2
#05619: 07.09.1994 06:47:00
S1 13.2 13.2 13.2 13.2 13.7 13.7 14.1 14.1 14.6 14.6
#05629: 07.09.1994 16:47:00
S1 15.5 15.9 15.5 15.5 15.5 15.0 14.6 14.1 14.1 13.7
#05639: 08.09.1994 02:47:00
S1 13.7 13.2 13.2 13.2 12.8 13.2 13.2 13.7 14.1 14.6
#05649: 08.09.1994 12:47:00
S1 15.5 16.3 16.8 16.3 15.9 15.5 15.5 15.0 15.0 14.6
#05659: 08.09.1994 22:47:00
S1 14.1 14.1 13.7 13.7 13.2 13.2 12.8 12.8 12.3 12.3
#05669: 09.09.1994 08:47:00
S1 12.8 12.8 13.2 13.7 13.7 14.1 14.1 14.6 14.6 14.6
#05679: 09.09.1994 18:47:00
S1 14.1 14.1 13.7 13.7 13.2 13.2 13.2 13.2 13.2 13.2
#05689: 10.09.1994 04:47:00
S1 13.2 13.2 13.2 12.8 12.8 13.2 13.2 13.2 14.1 14.1
#05699: 10.09.1994 14:47:00
S1 14.1 14.6 14.6 14.1 14.1 13.7 13.2 12.8 12.3 12.3
#05709: 11.09.1994 00:47:00
S1 12.3 12.3 12.3 11.9 11.9 11.4 11.4 11.4 11.9 12.3
#05719: 11.09.1994 10:47:00
S1 12.8 13.2 13.2 13.2 13.2 13.7 14.1 14.1 14.1 14.1
#05729: 11.09.1994 20:47:00
S1 14.1 13.7 13.7 13.7 13.7 13.7 13.7 13.7 13.7 13.7
#05739: 12.09.1994 06:47:00
S1 13.7 13.7 14.1 14.1 14.1 15.5 15.9 16.3 16.3 16.3
#05749: 12.09.1994 16:47:00
S1 16.3 15.5 15.5 15.0 14.6 14.1 14.1 14.1 13.7 13.7
#05759: 13.09.1994 02:47:00
S1 13.7 13.2 13.2 13.2 13.2 13.2 13.2 13.2 14.1 14.6
#05769: 13.09.1994 12:47:00
S1 15.0 15.5 16.3 16.3 16.3 15.9 15.5 15.5 15.5 15.5
#05779: 13.09.1994 22:47:00
S1 15.0 14.6 14.1 14.1 13.7 13.2 13.2 13.2 13.2 13.2

AGENT NT1 ID: 51666 PI: # 3
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S
temperatuur waarden vollegrond 1994

#05789: 14.09.1994 08:47:00
S1 13.2 13.2 13.2 13.7 13.7 13.7 13.7 14.1 14.1 14.1
#05799: 14.09.1994 18:47:00
S1 14.1 14.1 13.7 13.7 13.2 13.2 13.2 13.2 12.8 12.8
#05809: 15.09.1994 04:47:00
S1 12.8 12.3 12.3 12.3 12.8 13.2 13.2 13.2 13.7 13.7
#05819: 15.09.1994 14:47:00
S1 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 12.8
#05829: 16.09.1994 00:47:00
S1 12.8 12.8 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.3
#05839: 16.09.1994 10:47:00
S1 12.8 12.8 13.2 13.2 13.2 13.2 13.2 12.8 12.8 12.3
#05849: 16.09.1994 20:47:00
S1 12.3 11.9 11.9 11.4 11.4 11.4 11.4 11.4 11.4 11.4
#05859: 17.09.1994 06:47:00
S1 11.4 11.4 11.4 11.4 11.9 12.3 12.3 12.3 12.8 12.8
#05869: 17.09.1994 16:47:00
S1 12.8 12.8 12.3 12.3 12.3 12.3 12.3 12.3 11.9 11.9
#05879: 18.09.1994 02:47:00
S1 11.4 11.4 11.9 11.9 11.9 11.9 12.3 12.3 12.8 13.2
#05889: 18.09.1994 12:47:00
S1 13.7 14.1 15.5 15.0 15.0 14.6 14.6 14.1 14.1 13.7
#05899: 18.09.1994 22:47:00
S1 13.7 13.2 13.2 13.2 13.2 13.2 12.8 12.8 12.8 12.8
#05909: 19.09.1994 08:47:00
S1 12.8 13.2 13.2 14.1 14.1 14.6 14.6 14.6 14.6 14.1
#05919: 19.09.1994 18:47:00
S1 14.1 13.7 13.2 13.2 12.8 12.3 12.3 12.3 12.3 11.9
#05929: 20.09.1994 04:47:00
S1 11.9 11.4 11.4 11.4 11.4 11.4 11.4 11.4 11.4 11.4
#05939: 20.09.1994 14:47:00
S1 11.4 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9
#05949: 21.09.1994 00:47:00
S1 11.9 11.9 11.9 11.9 11.9 11.4 11.4 11.4 11.4 11.9
#05959: 21.09.1994 10:47:00
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#05969: 21.09.1994 20:47:00
S1 14.6 14.1 13.7 13.7 13.2 13.2 12.8 12.3 12.3 11.9
#05979: 22.09.1994 06:47:00
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#05989: 22.09.1994 16:47:00
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#05999: 23.09.1994 02:47:00
S1 12.3 12.3 12.3 11.9 11.4 11.4 11.4 11.9 12.3 13.2
#06009: 23.09.1994 12:47:00
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#06019: 23.09.1994 22:47:00
S1 14.6 14.1 14.1 14.1 13.7 13.2 13.2 13.2 13.2 12.8
#06029: 24.09.1994 08:47:00
S1 12.8 13.2 13.7 14.6 15.5 15.9 16.3 16.3 16.3 15.9
#06039: 24.09.1994 18:47:00
S1 15.9 15.5 15.5 15.5 15.5 15.0 14.6 14.1 14.1 14.1
#06049: 25.09.1994 04:47:00
S1 13.2 13.2 12.8 12.8 12.8 13.2 13.7 14.1 14.6 15.0
#06059: 25.09.1994 14:47:00
S1 15.5 15.5 15.9 16.3 16.3 15.9 15.5 15.0 14.6 14.1

AGENT NT1 ID: 51666 PI: # 4
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#06069: 26.09.1994 00:47:00
S1 14.1 14.1 14.1 14.1 14.1 13.7 13.7 13.7 13.7 14.1
#06079: 26.09.1994 10:47:00
S1 14.1 14.6 14.6 15.5 15.9 16.3 16.3 16.3 15.9 15.9
#06089: 26.09.1994 20:47:00
S1 15.5 15.0 14.6 14.1 14.1 14.1 13.7 13.7 13.7 13.7
#06099: 27.09.1994 06:47:00
S1 13.7 13.7 13.7 13.7 14.1 14.1 14.6 14.6 14.6 14.1
#06109: 27.09.1994 16:47:00
S1 14.1 14.1 14.1 14.1 14.1 14.1 13.7 13.7 13.7 13.7
#06119: 28.09.1994 02:47:00
S1 13.7 13.2 13.2 13.2 12.8 12.3 12.3 12.3 13.2 14.1
#06129: 28.09.1994 12:47:00
S1 14.6 15.5 15.9 16.3 15.9 15.5 15.0 14.1 13.7 13.2
#06139: 28.09.1994 22:47:00
S1 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.7 13.7 13.7
#06149: 29.09.1994 08:47:00
S1 13.7 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1
#06159: 29.09.1994 18:47:00
S1 14.1 13.7 13.7 13.7 13.7 13.2 13.2 13.2 13.2 12.8
#06169: 30.09.1994 04:47:00
S1 12.8 12.8 12.8 12.8 12.8 13.2 13.2 13.2 13.7 14.1
#06179: 30.09.1994 14:47:00
S1 14.1 14.1 14.1 14.1 14.1 13.7 13.7 13.2 13.2 13.2
#06189: 01.10.1994 00:47:00
S1 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.7
#06199: 01.10.1994 10:47:00
S1 13.7 14.1 14.1 14.1 14.6 14.6 14.6 14.1 14.1 14.1
#06209: 01.10.1994 20:47:00
S1 13.7 13.2 13.2 13.2 13.2 13.2 13.2 12.8 12.8 12.8
#06219: 02.10.1994 06:47:00
S1 12.8 12.8 12.8 13.2 13.2 14.1 14.1 14.6 14.6 14.6
#06229: 02.10.1994 16:47:00
S1 14.1 14.1 14.1 14.1 14.1 13.7 13.7 13.2 13.2 13.2
#06239: 03.10.1994 02:47:00
S1 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.7
#06249: 03.10.1994 12:47:00
S1 13.7 13.2 13.2 12.3 12.3 11.4 11.0 11.0 11.0 10.5
#06259: 03.10.1994 22:47:00
S1 10.1 10.1 10.1 9.6 9.2 9.2 9.2 8.7 8.7 8.7
#06269: 04.10.1994 08:47:00
S1 8.7 9.2 9.2 10.1 10.5 11.0 11.0 11.0 11.4 11.0
#06279: 04.10.1994 18:47:00
S1 11.0 10.5 10.1 10.1 9.6 9.6 9.2 9.2 9.2 9.2
#06289: 05.10.1994 04:47:00
S1 9.2 9.2 9.2 9.2 9.2 9.2 9.6 10.1 11.0 11.4
#06299: 05.10.1994 14:47:00
S1 11.9 12.3 12.3 12.3 11.9 11.4 11.0 11.0 10.5 10.5
#06309: 06.10.1994 00:47:00
S1 10.5 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1
#06319: 06.10.1994 10:47:00
S1 10.1 10.5 11.0 11.4 11.4 11.4 11.4 11.4 11.4 11.4
#06329: 06.10.1994 20:47:00
S1 11.0 11.0 11.0 11.0 10.5 10.1 10.1 10.1 10.1 10.1
#06339: 07.10.1994 06:47:00
S1 9.6 9.6 9.6 9.6 10.1 10.5 11.4 12.3 13.2 13.2

AGENT NT1 ID: 51666 PI: # 5
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#06349: 07.10.1994 16:47:00
S1 13.2 12.8 12.3 11.9 11.4 11.0 10.5 10.1 9.6 9.2
#06359: 08.10.1994 02:47:00
S1 9.2 8.7 8.7 8.7 8.7 8.3 8.7 8.7 9.2 10.1
#06369: 08.10.1994 12:47:00
S1 11.0 11.4 11.9 12.8 12.3 12.3 11.9 11.4 11.4 11.0
#06379: 08.10.1994 22:47:00
S1 11.0 11.0 11.0 10.5 10.5 10.1 10.1 10.1 9.2 9.2
#06389: 09.10.1994 08:47:00
S1 9.2 9.2 10.1 11.0 11.9 12.8 13.7 14.1 14.1 14.1
#06399: 09.10.1994 18:47:00
S1 13.2 12.3 11.9 11.4 11.0 10.5 10.1 10.1 9.6 9.2
#06409: 10.10.1994 04:47:00
S1 8.7 8.7 8.3 7.8 7.8 8.3 9.2 9.6 10.5 11.4
#06419: 10.10.1994 14:47:00
S1 12.3 13.2 14.1 13.7 13.2 12.3 11.9 11.4 11.0 11.0
#06429: 11.10.1994 00:47:00
S1 11.0 10.5 10.1 10.1 9.6 9.2 9.2 9.2 9.2 9.6
#06439: 11.10.1994 10:47:00
S1 9.6 10.5 11.4 12.8 13.7 14.1 14.6 14.1 13.7 13.2
#06449: 11.10.1994 20:47:00
S1 12.3 11.9 11.4 11.0 10.5 10.1 10.1 9.6 9.2 9.2
#06459: 12.10.1994 06:47:00
S1 8.7 8.7 8.7 8.7 9.2 9.2 10.1 10.5 11.0 11.4
#06469: 12.10.1994 16:47:00
S1 11.4 11.4 11.4 11.0 11.0 11.0 11.0 11.0 11.0 11.0
#06479: 13.10.1994 02:47:00
S1 11.0 10.5 10.5 10.5 10.5 10.5 10.1 10.5 10.5 11.0
#06489: 13.10.1994 12:47:00
S1 11.9 12.8 14.1 14.6 15.0 14.6 14.1 13.2 12.8 12.3
#06499: 13.10.1994 22:47:00
S1 11.9 11.4 11.0 11.0 10.5 10.1 10.1 9.6 9.2 9.2
#06509: 14.10.1994 08:47:00
S1 8.7 9.2 10.1 11.0 11.9 13.2 14.6 15.5 15.5 15.0
#06519: 14.10.1994 18:47:00
S1 14.1 13.2 12.8 12.3 11.4 11.0 10.5 10.1 10.1 9.6
#06529: 15.10.1994 04:47:00
S1 9.2 9.2 8.7 8.7 8.7 8.7 9.2 10.5 11.4 12.3
#06539: 15.10.1994 14:47:00
S1 13.2 14.1 13.7 13.2 13.2 12.3 12.3 11.9 11.4 11.4
#06549: 16.10.1994 00:47:00
S1 11.4 11.4 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0
#06559: 16.10.1994 10:47:00
S1 11.0 11.4 11.9 12.3 12.8 12.8 12.3 12.3 11.4 11.4
#06569: 16.10.1994 20:47:00
S1 11.4 11.0 11.0 11.0 10.5 10.5 10.1 10.1 10.1 9.2
#06579: 17.10.1994 06:47:00
S1 9.2 8.7 8.7 8.7 9.2 10.1 10.5 11.0 11.9 12.3
#06589: 17.10.1994 16:47:00
S1 12.3 11.4 11.0 10.5 10.1 9.6 9.2 8.7 8.3 7.8
#06599: 18.10.1994 02:47:00
S1 7.4 6.9 6.9 6.5 6.0 6.0 6.0 6.0 6.5 7.4
#06609: 18.10.1994 12:47:00
S1 8.3 9.2 10.1 10.1 10.1 10.1 9.2 9.2 8.7 8.3
#06619: 18.10.1994 22:47:00
S1 7.8 7.8 7.8 7.4 6.9 6.9 6.5 6.5 6.0 6.0

AGENT NT1 ID: 51666 PI: # 6
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#06629: 19.10.1994 08:47:00
S1 6.0 6.0 6.5 7.4 7.8 8.3 8.7 8.7 9.2 9.2
#06639: 19.10.1994 18:47:00
S1 9.2 8.7 8.7 8.7 8.3 8.3 7.8 7.8 7.8 7.8
#06649: 20.10.1994 04:47:00
S1 7.8 7.4 6.9 6.9 6.9 6.9 6.9 7.8 8.3 8.7
#06659: 20.10.1994 14:47:00
S1 9.2 9.6 10.1 9.6 9.2 9.2 9.2 8.7 8.7 8.7
#06669: 21.10.1994 00:47:00
S1 8.7 8.7 8.7 8.7 8.3 8.3 7.8 7.8 7.8 7.8
#06679: 21.10.1994 10:47:00
S1 8.3 8.7 9.2 9.2 9.6 9.6 10.1 10.1 10.1 10.1
#06689: 21.10.1994 20:47:00
S1 9.6 9.6 9.2 9.2 9.2 9.2 8.7 9.2 9.2 9.2
#06699: 22.10.1994 06:47:00
S1 9.2 9.2 9.2 9.6 10.1 10.1 10.1 10.5 11.0 11.0
#06709: 22.10.1994 16:47:00
S1 11.0 11.4 11.4 11.4 11.4 11.4 11.9 11.9 11.9 11.4
#06719: 23.10.1994 02:47:00
S1 11.4 11.4 11.0 11.0 11.0 11.0 11.0 11.0 11.4 11.4
#06729: 23.10.1994 12:47:00
S1 11.9 11.9 12.3 12.3 12.3 11.9 11.4 11.4 11.4 11.0
#06739: 23.10.1994 22:47:00
S1 11.0 11.0 10.5 10.5 10.1 10.1 10.1 10.1 9.6 9.6
#06749: 24.10.1994 08:47:00
S1 9.6 10.1 10.1 10.5 11.0 11.0 11.0 11.4 11.4 11.0
#06759: 24.10.1994 18:47:00
S1 11.0 10.5 10.1 10.1 10.1 10.1 9.6 9.6 9.2 9.2
#06769: 25.10.1994 04:47:00
S1 9.2 9.2 9.2 9.2 8.7 9.2 9.2 9.2 9.6 10.1
#06779: 25.10.1994 14:47:00
S1 10.1 10.5 10.5 10.5 10.1 10.1 10.1 10.1 9.6 9.2
#06789: 26.10.1994 00:47:00
S1 9.2 9.2 9.2 9.2 8.7 8.7 8.7 8.7 8.7 8.7
#06799: 26.10.1994 10:47:00
S1 8.7 8.7 8.7 8.7 9.2 9.2 9.2 9.2 9.2 9.2
#06809: 26.10.1994 20:47:00
S1 9.2 9.2 9.2 8.7 8.7 8.7 8.7 8.7 8.7 8.3
#06819: 27.10.1994 06:47:00
S1 8.3 7.8 7.8 7.8 8.3 8.3 8.7 8.7 8.7 8.7
#06829: 27.10.1994 16:47:00
S1 8.7 8.7 8.7 8.7 8.3 8.3 8.3 8.3 8.3 7.8
#06839: 28.10.1994 02:47:00
S1 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 8.3
#06849: 28.10.1994 12:47:00
S1 8.7 9.2 8.7 8.7 9.2 9.2 8.7 8.7 8.7 8.3
#06859: 28.10.1994 22:47:00
S1 7.8 7.8 7.8 7.8 7.4 7.4 7.4 7.4 7.4 7.4
#06869: 29.10.1994 08:47:00
S1 7.4 7.4 7.8 7.8 7.8 7.8 7.8 7.8 8.3 8.7
#06879: 29.10.1994 18:47:00
S1 8.7 8.7 9.2 9.2 9.2 9.2 9.6 9.6 9.6 9.6
#06889: 30.10.1994 04:47:00
S1 10.1 10.5 11.0 11.0 11.0 11.4 11.4 11.4 11.9 11.9
#06899: 30.10.1994 14:47:00
S1 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.8 12.8

AGENT NT1 ID: 51666 PI: # 7
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#06909: 31.10.1994 00:47:00
S1 12.8 12.8 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.3
#06919: 31.10.1994 10:47:00
S1 12.3 11.9 11.9 11.4 11.4 11.4 11.4 11.4 11.4 11.4
#06929: 31.10.1994 20:47:00
S1 11.4 11.4 11.4 11.4 11.0 11.0 11.0 11.0 10.5 10.5
#06939: 01.11.1994 06:47:00
S1 10.1 10.1 10.1 10.1 10.1 10.1 10.5 11.0 11.0 11.0
#06949: 01.11.1994 16:47:00
S1 11.0 10.5 10.1 10.1 9.6 9.2 9.2 8.7 8.7 8.7
#06959: 02.11.1994 02:47:00
S1 8.3 7.8 7.8 7.8 7.4 6.9 6.9 6.9 7.4 8.3
#06969: 02.11.1994 12:47:00
S1 9.2 10.1 10.5 11.0 11.0 10.1 10.1 9.6 9.2 9.2
#06979: 02.11.1994 22:47:00
S1 8.7 8.7 8.3 8.3 7.8 7.8 7.8 7.8 7.8 7.8
#06989: 03.11.1994 08:47:00
S1 7.8 7.8 8.3 8.7 9.6 10.1 11.0 11.4 11.4 11.0
#06999: 03.11.1994 18:47:00
S1 11.0 11.0 10.5 10.5 10.1 10.1 10.1 10.1 10.1 9.6
#07009: 04.11.1994 04:47:00
S1 9.6 9.6 9.2 9.2 9.2 9.2 10.1 10.5 11.0 11.4
#07019: 04.11.1994 14:47:00
S1 11.9 12.3 12.3 11.9 11.9 11.4 11.4 11.4 11.4 11.0
#07029: 05.11.1994 00:47:00
S1 11.0 11.0 11.0 11.0 11.0 10.5 10.5 10.5 10.1 10.1
#07039: 05.11.1994 10:47:00
S1 10.5 11.0 11.0 11.4 11.9 12.3 12.8 12.3 12.3 11.9
#07049: 05.11.1994 20:47:00
S1 11.9 11.4 11.4 11.4 11.4 11.4 11.4 11.4 11.4 11.4
#07059: 06.11.1994 06:47:00
S1 11.4 11.0 11.0 11.0 11.4 11.4 11.9 11.9 11.9 12.3
#07069: 06.11.1994 16:47:00
S1 12.3 11.9 11.4 11.4 11.4 11.0 11.0 10.5 10.1 9.6
#07079: 07.11.1994 02:47:00
S1 9.6 9.2 9.2 9.6 9.6 9.6 9.6 9.6 9.6 10.1
#07089: 07.11.1994 12:47:00
S1 10.1 10.5 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0
#07099: 07.11.1994 22:47:00
S1 11.0 11.0 11.0 11.0 10.5 10.5 10.1 10.1 10.1 10.1
#07109: 08.11.1994 08:47:00
S1 10.1 10.1 10.1 10.5 10.5 11.0 11.0 11.4 11.4 11.0
#07119: 08.11.1994 18:47:00
S1 11.0 10.5 10.5 10.1 10.1 10.1 10.1 10.1 9.6 9.6
#07129: 09.11.1994 04:47:00
S1 9.2 9.2 9.2 9.2 9.2 9.2 9.2 9.2 9.6 10.1
#07139: 09.11.1994 14:47:00
S1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1
#07149: 10.11.1994 00:47:00
S1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1
#07159: 10.11.1994 10:47:00
S1 10.1 10.1 10.1 10.5 11.0 11.0 11.0 11.0 11.0 10.5
#07169: 10.11.1994 20:47:00
S1 10.5 10.5 10.1 10.1 10.1 10.1 10.1 9.6 9.6 9.2
#07179: 11.11.1994 06:47:00
S1 9.2 9.2 9.2 9.2 9.2 9.6 10.1 10.1 10.5 10.5

AGENT NT1 ID: 51666 PI: # 8
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#07189: 11.11.1994 16:47:00
S1 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.1
#07199: 12.11.1994 02:47:00
S1 10.1 10.1 9.6 9.2 9.2 9.2 9.2 9.6 9.6 10.1
#07209: 12.11.1994 12:47:00
S1 10.1 10.5 10.5 11.0 11.0 11.0 10.5 10.5 10.5 10.5
#07219: 12.11.1994 22:47:00
S1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1
#07229: 13.11.1994 08:47:00
S1 10.1 10.1 10.1 10.1 11.0 11.0 11.0 11.0 11.0 11.0
#07239: 13.11.1994 18:47:00
S1 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.4 11.4 11.4
#07249: 14.11.1994 04:47:00
S1 11.4 11.4 11.4 11.4 11.9 11.9 11.9 11.9 12.3 12.3
#07259: 14.11.1994 14:47:00
S1 12.3 12.3 12.3 12.3 12.3 12.8 12.8 12.3 12.3 12.3
#07269: 15.11.1994 00:47:00
S1 12.3 12.3 12.3 11.9 11.9 11.9 11.4 11.4 11.4 11.4
#07279: 15.11.1994 10:47:00
S1 11.4 11.4 11.4 11.4 11.4 11.4 11.4 11.0 11.0 11.0
#07289: 15.11.1994 20:47:00
S1 11.0 11.0 11.0 10.5 10.5 10.1 10.1 10.1 10.1 10.1
#07299: 16.11.1994 06:47:00
S1 10.1 10.1 9.6 9.6 9.6 10.1 10.1 10.1 10.1 10.1
#07309: 16.11.1994 16:47:00
S1 10.1 9.6 9.2 9.2 9.2 8.7 8.7 8.3 8.3 8.3
#07319: 17.11.1994 02:47:00
S1 7.8 8.3 8.3 8.7 8.7 8.7 8.7 8.7 8.7 8.7
#07329: 17.11.1994 12:47:00
S1 8.7 9.2 9.2 9.2 9.2 8.7 8.7 8.7 8.7 8.7
#07339: 17.11.1994 22:47:00
S1 8.7 8.7 8.7 8.7 8.7 8.7 9.2 9.2 9.2 9.2
#07349: 18.11.1994 08:47:00
S1 9.2 9.2 9.2 9.6 10.1 10.1 10.1 10.1 10.1 10.1
#07359: 18.11.1994 18:47:00
S1 10.1 10.1 9.6 9.2 9.2 9.2 9.2 9.2 9.2 9.2
#07369: 19.11.1994 04:47:00
S1 9.2 9.2 9.2 9.2 9.2 9.2 9.2 9.6 10.1 10.5
#07379: 19.11.1994 14:47:00
S1 11.0 11.0 11.0 11.4 11.4 11.4 11.4 11.4 11.9 11.9
#07389: 20.11.1994 00:47:00
S1 11.9 11.9 11.9 12.3 12.3 12.3 12.3 12.3 12.3 12.3
#07399: 20.11.1994 10:47:00
S1 11.9 12.3 12.3 11.9 12.3 12.3 11.9 11.9 11.9 11.9
#07409: 20.11.1994 20:47:00
S1 11.9 11.9 11.4 11.4 11.0 11.0 10.5 10.1 10.1 9.6
#07419: 21.11.1994 06:47:00
S1 9.2 9.2 9.2 9.2 9.2 9.6 10.1 10.1 10.1 10.5
#07429: 21.11.1994 16:47:00
S1 10.5 10.1 10.1 10.1 10.1 10.1 9.6 9.2 9.2 9.2
#07439: 22.11.1994 02:47:00
S1 8.7 8.7 8.3 8.3 7.8 7.8 7.8 7.8 7.8 7.8
#07449: 22.11.1994 12:47:00
S1 8.3 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7
#07459: 22.11.1994 22:47:00
S1 8.7 8.7 8.7 8.3 8.3 8.7 8.7 8.7 9.2 9.2

AGENT NT1 ID: 51666 PI: # 9
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#07469: 23.11.1994 08:47:00
S1 9.2 9.2 9.2 9.6 10.1 10.1 10.1 10.5 10.5 10.5
#07479: 23.11.1994 18:47:00
S1 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5
#07489: 24.11.1994 04:47:00
S1 10.5 10.5 10.5 10.5 10.5 10.5 10.5 11.0 11.0 11.0
#07499: 24.11.1994 14:47:00
S1 11.0 11.0 11.0 10.5 10.1 9.6 9.2 8.7 8.7 8.3
#07509: 25.11.1994 00:47:00
S1 7.8 7.8 7.8 7.4 7.4 7.4 6.9 6.9 6.9 6.5
#07519: 25.11.1994 10:47:00
S1 6.9 7.4 7.8 8.3 8.7 8.7 8.7 8.7 8.7 8.7
#07529: 25.11.1994 20:47:00
S1 8.7 8.7 8.7 8.7 8.7 8.7 8.7 9.2 9.2 9.2
#07539: 26.11.1994 06:47:00
S1 9.2 9.6 9.6 10.1 10.1 10.1 10.1 10.1 10.5 10.5
#07549: 26.11.1994 16:47:00
S1 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5
#07559: 27.11.1994 02:47:00
S1 10.5 10.5 10.5 10.5 10.1 10.1 10.1 10.1 10.1 10.1
#07569: 27.11.1994 12:47:00
S1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1
#07579: 27.11.1994 22:47:00
S1 10.1 10.1 10.1 10.1 10.1 10.1 9.6 9.6 9.6 9.6
#07589: 28.11.1994 08:47:00
S1 9.6 9.6 10.1 10.1 10.1 10.5 10.5 11.0 10.5 10.1
#07599: 28.11.1994 18:47:00
S1 9.6 9.2 8.7 8.7 7.8 7.8 7.4 6.9 6.9 6.9
#07609: 29.11.1994 04:47:00
S1 6.9 6.9 6.9 6.9 7.4 7.4 7.8 7.8 7.8 7.8
#07619: 29.11.1994 14:47:00
S1 8.3 8.3 8.3 7.8 7.8 7.8 7.4 6.9 6.9 6.9
#07629: 30.11.1994 00:47:00
S1 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9
#07639: 30.11.1994 10:47:00
S1 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.5 6.5 6.5
#07649: 30.11.1994 20:47:00
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#07659: 01.12.1994 06:47:00
S1 4.7 4.7 4.3 4.3 4.3 4.7 4.7 5.1 5.6 5.6
#07669: 01.12.1994 16:47:00
S1 6.0 5.6 5.6 5.1 4.7 4.7 4.7 4.3 4.3 3.8
#07679: 02.12.1994 02:47:00
S1 3.8 3.8 3.8 3.8 3.4 3.4 3.4 3.4 3.4 3.8
#07689: 02.12.1994 12:47:00
S1 3.8 4.3 4.7 4.7 5.1 4.7 4.3 4.3 3.8 3.8
#07699: 02.12.1994 22:47:00
S1 3.8 3.8 3.4 3.4 3.4 3.4 3.4 3.4 3.8 3.8
#07709: 03.12.1994 08:47:00
S1 3.8 3.8 4.3 4.7 5.6 6.0 6.5 6.9 6.9 6.9
#07719: 03.12.1994 18:47:00
S1 7.4 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.4 7.4
#07729: 04.12.1994 04:47:00
S1 6.9 6.9 6.9 6.9 6.9 6.9 6.9 7.4 7.8 7.8
#07739: 04.12.1994 14:47:00
S1 8.3 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7

AGENT NT1 ID: 51666 PI: # 10
15.12.1994 12:36:55 EI: temperatuur in de vollegrond 1994
Interval: 3600s; Unit: S1:°C / S

temperatuur waarden vollegrond 1994

#07749: 05.12.1994 00:47:00
S1 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.3 8.3 7.8
#07759: 05.12.1994 10:47:00
S1 7.8 7.8 7.8 8.3 8.3 8.3 8.3 7.8 7.8 7.8
#07769: 05.12.1994 20:47:00
S1 7.8 7.8 7.8 7.8 8.3 8.3 7.8 7.8 7.8 7.4
#07779: 06.12.1994 06:47:00
S1 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 7.4 7.4
#07789: 06.12.1994 16:47:00
S1 7.4 7.4 6.9 6.9 6.9 6.9 6.5 6.5 6.0 6.0
#07799: 07.12.1994 02:47:00
S1 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.5
#07809: 07.12.1994 12:47:00
S1 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9
#07819: 07.12.1994 22:47:00
S1 6.9 6.9 6.9 6.5 6.5 6.5 6.5 6.5 6.5 6.5
#07829: 08.12.1994 08:47:00
S1 6.5 6.9 6.9 6.9 6.9 7.4 7.8 7.8 7.8 7.8
#07839: 08.12.1994 18:47:00
S1 8.3 8.7 8.7 8.7 8.7 8.7 8.3 8.3 8.3 8.3
#07849: 09.12.1994 04:47:00
S1 7.8 7.8 7.4 6.9 6.9 6.5 6.5 6.9 6.9 6.9
#07859: 09.12.1994 14:47:00
S1 6.9 7.4 6.9 6.9 6.5 6.0 6.0 5.6 5.6 5.1
#07869: 10.12.1994 00:47:00
S1 4.7 4.7 4.7 4.3 4.3 4.3 4.3 4.3 4.3 4.3
#07879: 10.12.1994 10:47:00
S1 4.7 4.7 5.1 5.6 5.6 6.0 6.0 6.9 6.9 7.8
#07889: 10.12.1994 20:47:00
S1 7.8 8.7 8.7 9.2 9.2 9.2 9.6 9.6 9.6 9.6
#07899: 11.12.1994 06:47:00
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#07909: 11.12.1994 16:47:00
S1 10.5 10.5 10.5 10.1 10.1 10.1 10.1 10.1 10.1 10.1
#07919: 12.12.1994 02:47:00
S1 10.1 10.1 10.1 9.6 9.6 10.1 10.1 10.1 10.1 10.1
#07929: 12.12.1994 12:47:00
S1 10.1 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5
#07939: 12.12.1994 22:47:00
S1 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5
#07949: 13.12.1994 08:47:00
S1 10.5 10.5 10.1 10.1 10.1 10.1 10.1 10.1 9.6 9.6
#07959: 13.12.1994 18:47:00
S1 9.2 9.2 8.7 8.7 8.7 8.3 8.3 7.8 7.8 7.4
#07969: 14.12.1994 04:47:00
S1 6.9 6.5 6.0 6.0

4102-32 CONTROL OF THE LARVAE OF THE BLACK VINE WEEVIL IN POTS - 1994

beh=behandeling(treatment): 1=untreated; 2=carbofuran; 3=chloorpyrifos(Suscon); 4=code1*(25g/ha); 5=code1*(12.5g/ha); 6=code2*(25kg/ha); 7=S.feltiae(CA)(0.5); 8=S.feltiae(CA)(0.25); 9=UK-H-211(0.125); 10=UK-H-211(0.25); 11=UK-H-211(0.5); 12=NL-H-F85(0.125); 13=NL-H-F85(0.25); 14=NL-H-F85(0.5); 15=ECX-9413-1(low); 16=ECX9413-1(high); 17=ECX9413-2(low); 18=ECX9413-2(high)

larv=number of not infected larvae per pot
sta2=2nd instar larvae and smaller
sta3=3rd instar larvae
sta4=4th and 5th instar larvae
pup=pupae

blok	beh	larv	sta2	sta3	sta4
1	1	5	2	3	0
1	1	6	4	2	0
1	1	8	7	1	0
1	1	3	3	0	0
1	1	6	5	0	1
1	1	4	1	3	0
1	1	4	3	1	0
1	1	3	1	2	0
1	2	1	0	1	0
1	2	2	2	0	0
1	2	0	0	0	0
1	2	4	3	1	0
1	2	0	0	0	0
1	2	0	0	0	0
1	2	5	3	2	0
1	2	3	3	0	0
1	3	0	0	0	0
1	3	0	0	0	0
1	3	0	0	0	0
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1	4	0	0	0	0
1	4	0	0	0	0
1	4	0	0	0	0
1	4	0	0	0	0
1	5	1	1	0	0
1	5	0	0	0	0
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1	5	0	0	0	0
1	5	0	0	0	0
1	5	0	0	0	0
1	5	0	0	0	0
1	6	2	2	0	0
1	6	0	0	0	0
1	6	6	6	0	0
1	6	3	2	0	1
1	6	9	9	0	0

1	6	9	3	5	1
1	6	8	4	2	2
1	6	7	2	4	1
1	7	1	1	0	0
1	7	1	0	1	0
1	7	2	0	2	0
1	7	2	0	1	1
1	7	0	0	0	0
1	7	0	0	0	0
1	7	1	1	0	0
1	7	1	1	0	0
1	8	0	0	0	0
1	8	6	5	1	0
1	8	0	0	0	0
1	8	10	4	2	4
1	8	8	2	3	3
1	8	0	0	0	0
1	8	3	1	2	0
1	8	2	2	0	0
1	9	4	0	4	0
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1	9	0	0	0	0
1	9	0	0	0	0
1	10	5	1	4	0
1	10	9	6	3	0
1	10	1	1	0	0
1	10	2	2	0	0
1	10	3	1	2	0
1	10	4	4	0	0
1	10	8	5	3	0
1	10	1	1	0	0
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1	11	0	0	0	0
1	11	0	0	0	0
1	11	0	0	0	0
1	11	5	3	0	2
1	11	1	0	1	0
1	11	6	2	4	0
1	11	1	1	0	0
1	12	1	1	0	0
1	12	2	0	2	0
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1	14	0	0	0	0
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1	15	2	2	0	0
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1	17	5	0	5	0
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1	17	4	3	1	0
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2	1	2	0	1	1
2	1	5	1	2	2
2	1	3	1	1	1
2	1	4	0	0	4
2	2	2	0	2	0
2	2	8	2	5	1
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3	1	2	0	2	0
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3	10	1	0	1	0

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3	10	2	1	1	0
3	11	2	0	2	0
3	11	0	0	0	0
3	11	1	0	1	0
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3	18	1	1	0	0
4	1	3	0	1	2
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4	1	0	0	0	0
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4	1	0	0	0	0
4	1	7	0	5	2
4	1	3	0	2	1
4	2	0	0	0	0
4	2	0	0	0	0
4	2	0	0	0	0
4	2	2	2	0	0
4	2	0	0	0	0
4	2	0	0	0	0
4	2	1	1	0	0
4	2	2	0	2	0
4	3	0	0	0	0
4	3	0	0	0	0
4	3	0	0	0	0
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4	3	0	0	0	0
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4	4	0	0	0	0
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4	5	0	0	0	0
4	5	0	0	0	0
4	5	0	0	0	0
4	5	0	0	0	0
4	5	0	0	0	0
4	6	3	0	3	0
4	6	5	1	2	2
4	6	3	0	1	2
4	6	9	1	4	4
4	6	5	2	3	0
4	6	11	1	1	9
4	6	7	0	2	5
4	6	3	2	0	1
4	7	0	0	0	0
4	7	0	0	0	0
4	7	1	0	0	1
4	7	0	0	0	0
4	7	0	0	0	0
4	7	0	0	0	0
4	7	1	0	0	1
4	7	1	0	0	1
4	8	3	0	3	0
4	8	0	0	0	0
4	8	0	0	0	0
4	8	1	1	0	0
4	8	6	1	5	0

4	8	4	1	3	0
4	8	3	1	1	1
4	8	6	1	4	1
4	9	6	2	4	0
4	9	5	3	0	2
4	9	1	1	0	0
4	9	2	0	0	2
4	9	3	0	0	3
4	9	0	0	0	0
4	9	0	0	0	0
4	9	5	1	3	1
4	10	2	1	1	0
4	10	1	1	0	0
4	10	5	3	1	1
4	10	4	1	3	0
4	10	1	0	1	0
4	10	2	0	2	0
4	10	1	0	1	0
4	10	0	0	0	0
4	11	1	0	0	1
4	11	3	0	2	1
4	11	3	1	0	2
4	11	3	0	2	1
4	11	*	*	*	*
4	11	*	*	*	*
4	11	*	*	*	*
4	11	*	*	*	*
4	12	0	0	0	0
4	12	5	0	0	5
4	12	0	0	0	0
4	12	0	0	0	0
4	12	1	0	0	1
4	12	0	0	0	0
4	12	0	0	0	0
4	12	0	0	0	0
4	13	2	2	0	0
4	13	8	3	3	2
4	13	1	0	0	1
4	13	0	0	0	0
4	13	2	0	2	0
4	13	1	1	0	0
4	13	0	0	0	0
4	13	1	1	0	0
4	14	0	0	0	0
4	14	0	0	0	0
4	14	0	0	0	0
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4	14	0	0	0	0
4	14	0	0	0	0
4	14	0	0	0	0
4	14	2	2	0	0
4	15	4	0	0	4
4	15	2	0	0	2
4	15	0	0	0	0
4	15	0	0	0	0
4	15	7	0	2	5
4	15	0	0	0	0
4	15	0	0	0	0
4	15	4	0	0	4
4	16	1	0	1	0
4	16	2	1	0	1
4	16	0	0	0	0
4	16	2	2	0	0
4	16	0	0	0	0

```
4    16   1    0    1    0
4    16   0    0    0    0
4    16   0    0    0    0
4    17   3    0    3    0
4    17   1    0    0    1
4    17   1    1    0    0
4    17   5    4    1    0
4    17   0    0    0    0
4    17   0    0    0    0
4    17   1    0    1    0
4    17   0    0    0    0
4    18   0    0    0    0
4    18   2    2    0    0
4    18   2    2    0    0
4    18   2    0    2    0
4    18   0    0    0    0
4    18   2    1    1    0
4    18   0    0    0    0
4    18   0    0    0    0
:
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4102-33 CONTROL OF THE LARVAE OF THE BLACK VINE WEEVIL IN THE FIELD - 1994/95

beh=behandeling(treatment): 1=untreated; 2=carbofuran; 3=UK-H-211(0.25); 4=UK-H-211(0.5); 5=UK-H-211(1.0); 6=NL-H-F85(0.25); 7=NL-H-F85(0.5); 8=NL-H-F85(1.0); 9=ECX9413-1(0.25); 10=ECX9413-1(0.5); 11=ECX9413-2(0.25); 12=ECX9413-2(0.5) ; 13=code1*(25g/ha); 14=code1*(50g/ha); 15=code2*(100kg/ha); 16=S.feltiae(CA) (0.5); 17=S.feltiae(CA)(1.0); 18=ECX-9413-1(1.0);

larv=number of not infected larvae per pot
sta2=2nd instar larvae and smaller
sta3=3rd instar larvae
sta4=4th instar larvae
sta5=5th instar larvae
pup=pupae

blok	beh	larv	sta2	sta3	sta4	sta5
1	1	13	0	0	2	11
1	1	13	0	2	1	10
1	1	13	0	0	1	12
1	1	8	0	1	2	5
1	1	15	2	3	4	6
1	2	2	0	0	2	0
1	2	0	0	0	0	0
1	2	0	0	0	0	0
1	2	4	1	1	0	2
1	2	0	0	0	0	0
1	3	9	3	5	0	1
1	3	8	0	7	1	0
1	3	7	0	1	4	2
1	3	5	0	1	2	2
1	3	9	0	0	3	6
1	4	5	0	2	1	2
1	4	2	1	0	1	0
1	4	0	0	0	0	0
1	4	2	0	1	1	0
1	4	8	1	1	3	3
1	5	4	0	0	1	3
1	5	2	0	0	1	1
1	5	6	2	0	4	0
1	5	4	0	2	0	2
1	5	2	1	0	1	0
1	6	1	0	0	0	1
1	6	0	0	0	0	0
1	6	1	0	1	0	0
1	6	1	0	0	0	1
1	6	0	0	0	0	0
1	7	0	0	0	0	0
1	7	0	0	0	0	0
1	7	2	0	0	1	1
1	7	0	0	0	0	0
1	7	2	1	0	0	1
1	8	0	0	0	0	0
1	8	0	0	0	0	0
1	8	0	0	0	0	0
1	8	1	0	0	1	0
1	8	0	0	0	0	0
1	9	4	1	0	1	2
1	9	3	1	0	0	2
1	9	2	0	1	0	1
1	9	7	1	4	2	0

1	9	4	0	1	1	2
1	10	5	2	1	2	0
1	10	2	0	0	0	2
1	10	4	0	0	0	4
1	10	1	0	0	0	1
1	10	0	0	0	0	0
1	11	2	0	0	0	2
1	11	0	0	0	0	0
1	11	1	0	0	0	1
1	11	2	0	0	0	2
1	11	2	0	0	1	1
1	12	9	0	0	2	7
1	12	5	0	0	2	3
1	12	9	0	4	3	2
1	12	2	0	0	0	2
1	12	7	0	0	1	6
1	13	6	1	0	1	4
1	13	3	1	1	1	0
1	13	6	1	0	1	4
1	13	2	1	0	0	1
1	13	2	0	0	2	0
1	14	4	0	0	1	3
1	14	1	0	0	0	1
1	14	3	0	1	0	2
1	14	1	0	0	1	0
1	14	2	0	1	0	1
1	15	12	5	3	0	4
1	15	5	0	0	1	4
1	15	5	0	1	3	1
1	15	7	2	1	1	3
1	15	3	3	0	0	0
1	16	0	0	0	0	0
1	16	0	0	0	0	0
1	16	3	0	1	1	1
1	16	6	1	4	1	0
1	16	3	0	1	0	2
1	17	7	3	1	1	2
1	17	4	1	1	2	0
1	17	5	2	2	0	1
1	17	5	0	3	2	0
1	17	9	2	1	0	6
1	18	2	0	0	1	1
1	18	3	0	1	1	1
1	18	1	0	1	0	0
1	18	2	0	0	0	2
1	18	4	0	2	1	1
2	1	5	0	3	1	1
2	1	6	1	3	1	1
2	1	10	2	2	1	5
2	1	5	0	1	2	2
2	1	10	3	3	2	2
2	2	16	1	11	3	1
2	2	7	1	4	1	1
2	2	16	1	10	2	3
2	2	6	5	1	0	0
2	2	14	2	8	3	1
2	3	1	1	0	0	0
2	3	4	1	1	0	2
2	3	8	0	0	5	3
2	3	1	0	0	0	1
2	3	5	1	2	1	1
2	4	8	1	4	1	2
2	4	6	1	3	1	1
2	4	7	0	1	0	6

2	4	3	0	1	2	0
2	4	0	0	0	0	0
2	5	7	2	4	0	1
2	5	20	1	9	4	6
2	5	7	0	6	0	1
2	5	2	0	1	1	0
2	5	2	0	1	0	1
2	6	3	0	0	0	3
2	6	0	0	0	0	0
2	6	4	1	2	0	1
2	6	6	1	3	0	2
2	6	1	0	0	1	0
2	7	2	1	0	0	1
2	7	3	0	0	3	0
2	7	8	4	3	1	0
2	7	3	1	1	1	0
2	7	6	2	2	1	1
2	8	1	1	0	0	0
2	8	0	0	0	0	0
2	8	1	1	0	0	0
2	8	0	0	0	0	0
2	8	2	2	0	0	0
2	9	1	0	0	0	1
2	9	2	0	1	1	0
2	9	2	0	0	1	1
2	9	0	0	0	0	0
2	9	9	3	5	1	0
2	10	0	0	0	0	0
2	10	9	0	1	3	5
2	10	8	0	1	3	4
2	10	3	0	0	1	2
2	10	7	0	1	0	6
2	11	0	0	0	0	0
2	11	5	1	0	2	2
2	11	6	0	0	2	4
2	11	1	0	0	0	1
2	11	0	0	0	0	0
2	12	12	3	3	3	3
2	12	2	0	2	0	0
2	12	9	2	3	1	3
2	12	5	1	2	1	1
2	12	3	0	1	0	2
2	13	4	0	0	4	0
2	13	3	0	2	0	1
2	13	2	0	0	1	1
2	13	5	2	1	0	2
2	13	3	1	1	0	1
2	14	0	0	0	0	0
2	14	6	0	0	0	6
2	14	16	0	1	3	12
2	14	7	0	0	2	5
2	14	3	0	0	1	2
2	15	10	0	1	0	9
2	15	14	2	7	1	4
2	15	12	1	3	0	8
2	15	9	0	1	4	4
2	15	4	0	1	0	3
2	16	5	0	1	0	4
2	16	7	1	1	2	3
2	16	4	0	2	1	1
2	16	3	0	0	0	3
2	16	12	1	3	3	5
2	17	8	3	3	2	0
2	17	8	1	3	4	0

2	17	10	1	4	3	2
2	17	6	1	3	0	2
2	17	3	1	1	0	1
2	18	5	0	2	2	1
2	18	4	0	0	0	4
2	18	10	0	2	2	6
2	18	18	0	0	6	12
2	18	9	0	0	2	7
3	1	5	0	0	1	4
3	1	6	0	0	2	4
3	1	2	0	0	0	2
3	1	2	0	1	1	0
3	1	1	0	0	0	1
3	2	0	0	0	0	0
3	2	2	0	1	0	1
3	2	0	0	0	0	0
3	2	2	0	1	0	1
3	2	1	0	0	1	0
3	3	9	2	3	2	2
3	3	9	1	3	2	3
3	3	13	2	4	1	6
3	3	12	4	5	1	2
3	3	6	1	0	2	3
3	4	7	2	2	1	2
3	4	4	0	0	2	2
3	4	2	1	0	1	0
3	4	8	1	4	2	1
3	4	1	0	0	0	1
3	5	2	0	0	1	1
3	5	3	0	0	2	1
3	5	3	2	0	1	0
3	5	2	0	0	2	0
3	5	3	0	0	3	0
3	6	0	0	0	0	0
3	6	0	0	0	0	0
3	6	0	0	0	0	0
3	6	1	1	0	0	0
3	6	0	0	0	0	0
3	7	0	0	0	0	0
3	7	0	0	0	0	0
3	7	0	0	0	0	0
3	7	0	0	0	0	0
3	7	0	0	0	0	0
3	8	0	0	0	0	0
3	8	2	0	0	2	0
3	8	0	0	0	0	0
3	8	0	0	0	0	0
3	8	0	0	0	0	0
3	9	1	0	0	0	1
3	9	2	0	0	1	1
3	9	3	0	3	0	0
3	9	4	1	1	1	1
3	9	2	0	0	0	2
3	10	1	0	0	0	1
3	10	2	0	1	0	1
3	10	2	0	0	0	2
3	10	7	1	0	2	4
3	10	3	1	0	1	1
3	11	0	0	0	0	0
3	11	3	0	0	1	2
3	11	2	0	1	0	1
3	11	2	0	0	0	2
3	11	1	0	0	1	0
3	12	9	0	1	5	3

3	12	12	1	4	3	4
3	12	9	0	2	2	5
3	12	10	1	2	4	3
3	12	9	0	4	2	3
3	13	2	0	1	0	1
3	13	1	0	1	0	0
3	13	4	0	0	0	4
3	13	0	0	0	0	0
3	13	4	0	1	0	3
3	14	3	0	0	1	2
3	14	4	1	1	1	1
3	14	7	0	2	2	3
3	14	13	2	3	2	6
3	14	0	0	0	0	0
3	15	14	3	2	3	6
3	15	2	0	0	0	2
3	15	15	1	5	5	4
3	15	5	0	0	0	5
3	15	8	0	0	6	2
3	16	2	0	0	1	1
3	16	2	0	1	1	0
3	16	1	0	0	1	0
3	16	0	0	0	0	0
3	16	2	0	1	0	1
3	17	6	0	3	2	1
3	17	9	0	7	2	0
3	17	4	1	2	1	0
3	17	3	0	0	1	2
3	17	8	0	5	2	1
3	18	2	0	0	2	0
3	18	4	1	1	2	0
3	18	4	0	0	1	3
3	18	1	0	0	0	1
3	18	4	0	3	1	0

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